ATTACHMENT H: WETLAND DELINEATION REPORT

1.0 WETLAND DELINEATION REPORT

This report has been prepared to fulfill the application requirements of the NRPA and Section 404 of the Federal Clean Water Act. Boyle Associates ("Boyle") and Power Engineers were retained to identify and delineate wetlands (1) within all NECEC-associated transmission line corridors, and (2) in the vicinity of the planned NECEC converter station and substation. The purpose of the wetland field survey was to delineate and obtain detailed, accurate information on all onsite wetlands regulated by the United States Army Corps of Engineers ("USACE") under Section 404 of the Clean Water Act, and by the MDEP under the NRPA, 38 M.R.S. §§ 480-A et seq.

1.0 Methodology

1.1 Remote Data Analysis

Aerial photos from the State of Maine Geographic Information Systems ("GIS") database were overlaid with the proposed transmission line corridors, and section lines; these maps served as a basis of reference for the wetland delineations. Natural Resource Maps are included in Appendix A.

FEMA Flood Insurance Rate Maps region were reviewed to determine which wetlands are within 100-year flood zones. These zones were incorporated onto NECEC maps and are in Appendix A. Other resource maps utilized for the NECEC Project include MNAP rare plant communities or elemental plant occurrences, MDIFW, DWAs, T&E species habitat, IWWH, and Atlantic Salmon Commission ("ASC")-designated critical nursery and spawning areas. NWI Maps were also reviewed.

1.2 Field Surveys

NECEC components were surveyed on foot by professional wetland scientists to identify and map all wetlands, surface water bodies, and vernal pools. Wetland delineations were completed pursuant to the 1987 USACE Wetland Delineation Manual (Environmental Laboratory 1987) and the Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region (2011). Natural Resource Maps are included in Attachment A.

The wetland field survey effort was performed by field crews generally consisting of one wetland scientist and one Global Positioning System operator. Following analysis of soils, hydrology, and vegetation at each sampling location, the wetland boundary was identified and flagged using glo-pink colored wetland delineation flagging tape. Wetland boundaries were recorded using portable Trimble Geo7X units. All relevant features were mapped by recording a minimum of 15 epochs per position with

a Precisional Dilution of Position no greater than 6.0. Centerlines of streams less than 10 feet in width were flagged using overhanging vegetation and top of each bank of streams greater than 10 feet in width were flagged. Stream flag locations were recorded using the same parameters as for the wetland flags. In total, approximately 192 linear miles of NECEC transmission line corridor were surveyed for the presence of federal and state jurisdictional waterbodies: wetlands, streams, and vernal pools.

The proposed Merrill Road Converter Station (Lewiston), Fickett Road Substation (Pownal), West Forks Termination Station and Moxie Gore Termination Station sites were also surveyed for the presence of waterbodies: wetlands, streams, and vernal pools. Tables detailing these resources can be found in Attachment B.

Boyle wetland scientists collected wetland-specific data and photographs at each wetland not previously surveyed. For those wetlands surveyed during previous field efforts, an average of five wetlands per linear mile were spot checked for accuracy in accordance with a verification protocol approved by MDEP and the USACE (Exhibit A). The wetland boundary line, vegetation, soils, and hydrology were checked and confirmed. In areas where any of the wetland parameters were found to be different, new data were collected to accurately reflect current wetland conditions. A Boyle Associates NECEC wetland summary form was completed for each wetland not previously surveyed. For those wetlands surveyed during previous field efforts, the corresponding data sheets were printed out, taken to the field and annotated/updated. Data documented on each form included wetland identification number, dominant vegetation, soil profile description, hydrologic indicators, stream characteristics and locations, wildlife observations, flagging sequence, and additional notes. In addition, one pair of USACE Routine Wetland Delineation plots was completed for approximately each linear mile of transmission line corridor surveyed. In areas where USACE data plots had previously been completed, wetland scientists checked and confirmed the accuracy of plot data.

All wetlands were classified in the field using the United States Fish and Wildlife Service's (USFWS) classification system (Cowardin et al. 1979). Field work was conducted during the 2015, 2016, 2017 and 2018 growing seasons. Exhibits B, C and D of this Attachment provide examples of USACE data plot forms and wetland summary forms.

For the purposes of resource identification naming, the NECEC Project corridor was segmented into mile sections, starting at the Québec border in Beattie Township, Maine at mile zero, increasing from Beattie east and south to Pownal, Maine. Mile numbers resume in Whitefield, Maine, and increase south to

Wiscasset, Maine. Each wetland was numbered according to the Project mile. For example, Wet-6-1 was the first wetland within project mile 6. Additional wetlands located within the same mile were numbered in sequential order. For example, additional wetlands located within mile 6 were named Wet-6-2, Wet-6-3, Wet-6-4, etc. Stream names were assigned in the same way, however in instances where waterbody features are not contiguous, each defined channel was given a separate ID number. For example, Stream 6-1 was the first stream within mile 6 and Stream 6-2 may be a separate channel associated with 6-1.

Specific methods for characterizing and evaluating vegetation, soils, and hydrology within wetland communities were as follows:

Vegetation: Dominant plant species in each major vegetative stratum (tree, sapling/shrub, and herbaceous) within the study area were identified and listed. Nomenclature for plants follows Haines and Vining (1998). Common names only are included in the discussion portion of this Attachment; for a list of wetland vegetation common names and binomial names please refer to Table 8 and Table 9 at the end of this Attachment. Each plant's wetland indicator status (e.g., OBL, FACW, FAC, FACU, and UPL) was assigned using the USFWS National List of Plant Species that Occur in Wetlands, Northeast Region 1 (Reed 1988) to determine if there was a prevalence of hydrophytic vegetation at the site.

Soils: A Dutch auger was used to extract samples to examine the soil for evidence of hydric indicators. Soils were characterized by determining texture, structure and color, generally to a depth of 20 inches below the top of the mineral soil surface. Soil matrix colors were identified by using a Munsell Soil Color Chart; hydric indicators such as depleted matrices, redoximorphic features, gleying, organic matter accumulation, and oxidized rhizospheres were also noted. In addition, hydric soil criteria were assigned in accordance with the manual of Field Indicators for Identifying Hydric Soils in New England (Field Indicators Manual), Version 3 (New England Hydric Soils Technical Committee 2004).

Representative wetland soils were noted as either mineral or organic. According to Brady and Weil (1999) histosols (organic soils without permafrost) have organic soil materials in more than half of the upper 80 centimeters of soil, or in two-thirds of the soil overlying shallow rock.

Therefore, for the purposes of this report, soils with greater than 16 inches of organic material or that have organic material in more than two-thirds of the soil profile over shallow bedrock were noted as organic soils. All other soils were noted as mineral.

Hydrology: Sampling locations were examined for evidence of wetland hydrology. General indicators of hydrology included the presence of watermarks, drift lines, sediment deposits, standing water, soil saturation within 12 inches of the soil surface, surface scouring, silt deposition, buttressed trunks, elevated roots, and drainage patterns within the wetland.

1.3 Wetlands of Special Significance Determinations

Wetlands within NECEC segments and substations were classified as either wetlands that are not of special significance or as Wetlands of Special Significance (WOSS), as defined in DEP Reg. chapter 310.4. Wetlands may be designated as WOSS for numerous reasons. All coastal wetlands and great ponds are WOSS. In addition, certain freshwater wetlands are WOSS. A freshwater WOSS has one or more of the following characteristics:

- The wetland contains a natural community that is critically imperiled (S1) or imperiled (S2) as defined by the MNAP;
- The wetland contains significant wildlife habitat as defined by 38 M.R.S. § 480-B (10);
- The wetland area is located within 250 feet of a coastal wetland;
- The wetland area is located within 250 feet of the normal high water line, and within the same watershed, of any lake or pond classified as a great pond under 38 M.R.S. § 465-A;
- The wetland contains under normal circumstances at least 20,000 square feet of aquatic vegetation, emergent marsh vegetation or open water (unless the 20,000 or more square foot area is the result of an artificial pond or impoundment);
- The wetland is inundated with floodwater during a 100-year flood event based on flood insurance maps produced by the FEMA or other site-specific information;
- The wetland contains peatland; and/or
- The wetland area is located within 25 feet of a river, stream, or brook.

Significant wildlife habitat, as defined by the NRPA, 38 M.R.S. § 480-B(10), includes, to the extent they have been mapped by MDIFW are within any other protected natural resource:

- habitats for state and federal agency listed rare, threatened and endangered species ("RTE");
- High or moderate value deer wintering area (DWA) and travel corridors, as defined by MDIF&W;
- Seabird nesting islands, as defined by MDIF&W; and
- Critical spawning and nursery areas for Atlantic salmon, as defined by DMR.

Significant wildlife habitat also includes the following areas that are defined by MDIF&W and are in conformance with criteria adopted by DEP or are within any other protected natural resource:

- Significant vernal pool habitat;
- High and moderate value IWWH, including nesting and feeding areas; and
- Shorebird nesting, feeding, and staging areas.

Significant wildlife habitats reviewed to determine freshwater WOSS include: mapped habitats for state and federally listed T&E species; high and moderate value IWWH; presence of significant vernal pool habitat; and critical spawning and nursery areas for Atlantic salmon, as identified by the ASC.

1.4 Delineation Results – Transmission Line Corridors

A summary of all wetlands identified along Segments 1, 2, 3, 4, and 5, as well as Merrill Road Converter Station and the Fickett Road Substation sites is provided in table format (Attachment B-1 of this Application- Wetland Summary Table) and is organized by segment and wetland identification number. A project overview map depicting Project segments is provided as Figure 2-1 of Section 2.0 of this Application. Representative photos are provided in Exhibit E.

The following subsections provide general descriptions of non-WOSS wetlands, and detailed descriptions of representative WOSS wetlands identified along each segment.

1.4.1 Segment 1

Segment 1 extends from the border of Québec, Canada in Beattie Township, Maine to The Forks Plantation, Maine. This segment is approximately 53.5 miles in length and includes previously undeveloped land, historically and currently used for forest management. Segment 1 is located within a 150-foot wide cleared right-of-way in a previously undeveloped, 300-foot-wide transmission line corridor. Townships, towns, and cities traversed by Segment 1 include Beattie Township, Merrill Strip Township, Lowelltown Township, Skinner Township, Appleton Township, T5 R6 BKP WKR, T5 R7 BKP WKR, Hobbstown Township, Bradstreet Township, Parlin Pond Township, Johnson Mountain Township, West Forks Plantation, Moxie Gore, and The Forks Plantation. Segment 1 is located within the Upper Kennebec River Watershed, and Dead River Watershed Hydrologic Unit Code 8 (HUC8) and within the Central Maine Embayment Biophysical Region.

Four hundred and eighty-nine wetlands were identified, delineated, and mapped within the Segment 1 transmission line corridor (see Attachment A). One hundred seventeen wetlands are Palustrine Emergent (PEM) wetlands, sixty seven wetlands are Palustrine Scrub-Shrub (PSS) wetlands, and two hundred and seventeen wetlands are Palustrine Forested (PFO) wetlands. In addition, there are thirty-three PEM/PFO

wetlands, eighteen PFO/PSS wetlands, nineteen PSS/PEM/PSS wetlands, two PFO/PSS/PEM wetlands, one PFO/PSS/PUB wetland, and one Palustrine Unconsolidated Bottom PSS/(PUB) wetlands, and one Palustrine Open Water (POW) (Table 1). These wetlands receive sustaining hydrology from a high groundwater table, seepage, surface runoff from adjacent uplands, or inputs from adjacent waterbodies. Functions and values provided by wetlands within Segment 1 include groundwater recharge/discharge, nutrient removal, sediment/shoreline stabilization, and sediment retention with many of the wetlands providing wildlife habitat.

Table 1: Summary of Wetland Classes and Wetlands of Special Significance- Segment 1

	Non-WOSS	woss	Total
PEM	85	32	117
PSS	45	22	67
PFO	130	87	217
POW	0	1	1
PUB	2	0	2
PEM/PFO	25	7	32
PFO/PSS	9	9	18
PFO/PSS/PEM	1	1	2
POW/PSS/PFO	0	1	1
PFO/PSS/PUB	0	1	1
PSS/PUB	1	0	1
PEM/PSS	11	8	19
Unknown	8	3	11
Subtotal	308	172	489

The following are representative descriptions of the wetland types that were identified and delineated within the Segment 1 transmission line corridor.

1.4.1.1 Representative Wetland Descriptions: Non-WOSS

PEM (Palustrine Emergent Wetlands)

Eighty-five PEM wetlands of similar composition and characteristics (e.g., wet meadows and cat-tail marshes) that do not meet the definition of WOSS were identified along Segment 1 (Table 1). These PEM wetlands are characterized by persistent vegetation dominated by graminoids and herbaceous vegetation, although scattered shrubs are present in many of these PEM wetlands. The major distinction between the PEM wetlands in Segment 1 is hydrology. The wet, seasonally flooded or saturated wetlands include sphagnum and cat-tail swamps, extended floodplains and ephemeral ponds. The less wet, seasonally saturated wetlands are generally made up of wet meadows and sedge swamps. Common graminoid

species include fringed sedge, lamp rush, melic manna grass, fowl manna grass, dark green bulrush, cottongrass bulrush, northern green rush and reed canary grass. Common herbs include spotted touch-menot, sensitive fern, northern lady fern, equisetum species, and goldenrod species. Scattered shrubs and saplings observed in some of the PEM wetlands include steeple-bush, meadowsweet, speckled alder, balsam fir, red maple, and yellow birch.

PSS (Palustrine Scrub-Shrub Wetlands)

Forty-five PSS wetlands that do not meet the definition of WOSS were identified during field surveys along Segment 1 (Table 1). These PSS wetlands are typically dominated by dense stands of speckled alder and areas of sapling sized tree species common to the region. Other shrubs and saplings that are present in many PSS wetlands in Segment 1 include meadowsweet, catherry, silky dogwood, and willow species. Yellow birch, red maple, red spruce, balsam poplar and balsam fir saplings are also present. Shade tolerant species such as sensitive fern and northern lady fern are often present in the herb stratum. Many of the PSS wetlands on Segment 1 are formerly forested wetlands that have been altered by recent timber harvest activities.

PFO (Palustrine Forested Wetlands)

One hundred and thirty PFO wetlands that do not meet the definition of WOSS were identified along Segment 1 (Table 1). Forested wetlands within Segment 1 are typically dominated by northern white-cedar, balsam fir, red maple, and black ash. Common subordinate species are gray birch, yellow birch, quaking aspen, green ash, and saplings of the canopy species. Shrubs such as winterberry, pussy willow and speckled alder are also present where the canopy opens. Cinnamon fern, sensitive fern, spotted touch-me-not, fringed sedge, dwarf red raspberry, and sphagnum moss are common in the herbaceous stratum.

PFO/PSS (Palustrine Forested/Scrub-Shrub Wetland)

Nine PFO/PSS wetlands which do not meet the definition of WOSS were identified during field surveys along Segment 1 (Table 1). Dominant species within the forested wetland portions are consistent with those described in the PFO description above. Shrub and sapling species include red maple, balsam fir, black spruce, speckled alder, meadowsweet, steeplebush and black elder.

<u>PEM/PFO (Palustrine Emergent/Forested Wetland)</u>

Twenty-five PEM/PFO wetlands which do not meet the definition of WOSS were identified during field surveys along Segment 1 (Table 1). The emergent component is typical of what is described in the above PEM representative descriptions and includes sensitive fern, jewelweed, fringed sedge, rattlesnake manna grass, cinnamon fern, dark green bulrush, twin flower, bristly dewberry and mountain wood sorrel. The

PFO component is typical of a forested wetland dominated by mature mixed growth forest and includes balsam fir, red maple, gray birch and black ash.

PUB (Unconsolidated Bottom Wetland)

Two PUB wetlands which do not meet the definition of WOSS were identified during field surveys of Segment 1 (Table 1). A PUB is a freshwater wetland with an open water component and an unconsolidated bottom soil structure. The vegetation includes winterberry and viburnum species. The understory, herbaceous species include bristly dewberry and blueflag iris. The class unconsolidated bottom includes all wetland and deepwater habitats with at least 25% cover of particles smaller than stones, and a vegetative cover less than 30%.

Soils and Hydrology in PEM, PSS, PFO, and Mixed Communities

Soil profiles within the wetlands identified along Segment 1 vary according to parent material and saturation level. Wetland soil characteristics range from thick organic soils to seasonally saturated mineral soils having a shallow O horizon. In those wetlands where organic soils are present, the O horizon tends to be relatively shallow with rock refusal ranging from 2 to 10 inches. The mineral soils are generally characterized by an organic surface horizon and/or a dark A horizon with matrix values less than or equal to 3 and chromas of 2 or less. Subsoils are commonly characterized by a depleted B horizon with matrix values of 4 or more and a chroma of 2 or less with redoximorphic features. Silt loam-textured soils are common. Occasional organic soils are present, generally with sapric horizons extending at least 16 inches below the top of the soil surface or to rock refusal anywhere between 2 to 20 inches. Most soils meet criteria A1, S7, F3 and A11 of the Field Indicators of Hydric Soils of the United States Manual, Version 8.0. Soils were generally saturated at the time of investigation and several had surface water present. Wetland hydroperiods are typically seasonally saturated, although seasonally flooded areas are also present on Segment 1. Indicators of hydrology along Segment 1 include water-stained leaves, drainage patterns, drift deposits, thin muck surface, oxidized rhizospheres and sulfidic odor.

1.4.1.2 Representative Wetland Descriptions: WOSS

On Segment 1, one hundred and seventy-two wetlands were identified as WOSS as defined in the Wetlands and Waterbodies Protection Rules Chapter 310. Some wetlands (or portions thereof) within the Segment 1 transmission line corridor are WOSS because they contained at least 20,000 square feet of aquatic vegetation, emergent marsh vegetation or open water; are located within 25 feet of a river, stream, or brook; are located in the 100-year flood zone (see flood zone maps in Attachment A); are located within 250 feet of the normal high water line, and within the same watershed, of any lake or pond classified as a great pond; contain significant wildlife habitat; contain mapped RTE species habitat; and/or

contain moderate or high value IWWH. Thirty-two of the WOSS are PEM wetlands, Twenty-two are PSS wetlands, eighty-five are PFO wetlands, one is a POW wetland, seven are PEM/PFO, nine are PFO/PSS wetlands, eight are PEM/PSS wetlands, and there are one each of PFO/PSS/PEM, POW/PSS/PFO, and PFO/PSS/PUB mixed community wetland types (Table 1).

The following narratives provide specific information on vegetation, soils, and hydrology for three representative wetlands identified along Segment 1 that meet WOSS designation criteria.

Wetland 24-10

Wetland 24-10 is primarily a PSS wetland but has PEM wetland components as well. The wetland is located along Bitter Brook in Bradstreet Township, Maine. The wetland area within 25 feet of Bitter Brook is WOSS. Bitter Brook is a tributary to Moose River. Additionally, Wetland 24-10 contains IWWH considered significant wildlife habitat, therefore; the wetland is WOSS.

In emergent components of the wetland, mostly along the fringes of the brook, dominant herbaceous species include tussock sedge, sensitive fern, Canada bluejoint, and various sedge species. Dominant species in the scrub-shrub components include speckled alder, winterberry, meadowsweet, and steeple-bush.

Evidence of hydrology in Wetland 24-10 includes saturated soils and evidence of seasonal flooding due to occasional brook overflow, including drainage patterns, and surface scouring. Soils in the wetland have a silt loam texture and display a dark A horizon underlain by a B horizon with a depleted matrix and redox concentrations. These soils meet indicator F6 of the Field Indicators Manual.

Wetland 33-07

Wetland 33-07 is primarily a PEM wetland, which also contains an area of PFO wetland habitat. The wetland is located in Johnson Mountain Township, Maine. According to the MNAP, this wetland is within a mapped known occurrence of the Bicknell's Thrush (*Catharus bicknelli*). The wetland area contains RTE habitat, therefore the wetland is a WOSS.

In emergent components of the wetland, dominant species include woolgrass, soft rush, and various sedge species. Dominant species in the scrub-shrub components are meadowsweet species. Within the PFO area, the wetland vegetation is dominated by a mix of trees and shrubs, most notably black spruce. Evidence of hydrology in the wetland includes seasonally flooded areas, as well as saturated soils and

drainage patterns. Soils in the wetland have a sandy loam texture and display a depleted A horizon. These soils meet indicator S4 of the Field Indicators Manual.

Wetland 48-08

Wetland 48-08 is primarily a PSS wetland. The wetland is located in the town of West Forks Plantation, Maine and appears to have been partially logged within the last 50 years. The wetland is considered a WOSS because it contains peatlands. Dominant vegetative species include rhodora, rose-myrtle, winterberry, and mountain holly. Within small openings, herbaceous species are sparse and include cinnamon fern and sphagnum. A low percentage of tree cover was observed in portions of the wetland. Tree cover includes stunted black spruce and white pine. While a defined vernal pool depression is absent, scattered spotted salamander egg masses were identified throughout the wetland. Wetland 48-08 has saturated soils, a high water table, and evidence of shallow flooding including thin muck surface, water-stained leaves and watermarks. Soils in the wetland are organic (hemic) and have rock refusal at 10 inches. Wetland 48-08 meets indicator A1 of the Field Indicators Manual. During their initial site visit, in addition to spotted salamander egg masses, wetland scientists observed moose droppings throughout the wetland.

1.4.2 **Segment 2**

Segment 2 extends from The Forks, Maine to the Wyman hydropower station in Moscow, Maine, from project mile 53.6 to 75.5, for a total of 21.9 miles. This segment will be located within an existing partially developed 300-foot-wide transmission line corridor, CMP Section 222. Clearing width in most locations is approximately 75-feet, however may vary depending on conditions. Towns associated with Segment 2 include The Forks Plantation, Bald Mountain Township T2 R3, Caratunk, and Moscow. Segment 2 is located within the Upper Kennebec and Lower Kennebec River Watersheds (HUC 8) and within the Central Maine Embayment Biophysical Region.

One hundred forty-seven wetlands were identified, delineated, and mapped within Segment 2 (see Attachment A). Fifty wetlands are PEM wetlands, twelve are PSS wetlands, twenty-five are PFO wetlands, two are POW/PFO wetlands, ten are PSS/PEM wetlands, seven are PFO/PSS wetlands, three are PFO/PSS/PEM wetlands, and thirty-four are PEM/PFO wetlands (Table 2).

These wetlands receive sustaining hydrology from a high groundwater table, seepage, surface runoff from adjacent uplands, or inputs from adjacent waterbodies. Functions and values provided by wetlands within Segment 2 include groundwater recharge/discharge, sediment/shoreline stabilization, floodflow alteration, wildlife habitat, and sediment retention.

Table 2: Summary of Wetland Classes of Wetlands of Special Significance- Segment 2

	Non-WOSS	woss	Total
PEM	30	20	50
PSS	7	5	12
PFO	19	6	25
PEM/PFO	23	11	34
PEM/PSS	6	4	10
PFO/PSS/PEM	1	2	3
PFO/PSS	4	3	7
POW/PFO	2	0	2
Unknown	1	3	4
Subtotal	93	54	147

The following are representative descriptions of the categories of wetlands that were encountered and mapped within the Segment 2 transmission line corridor.

1.4.2.1 Representative Wetland Descriptions: Non-WOSS

PEM (Palustrine Emergent Wetlands)

Thirty PEM wetlands of similar composition and characteristics (*e.g.*, wet meadows) that do not meet the definition of WOSS were identified along Segment 2 (Table 2). These wetlands are characterized by persistent vegetation dominated by graminoids and herbs, although scattered shrubs are sometimes present. Vegetation in these wet meadow communities is relatively consistent from one area to another. Many of the PEM wetlands on Segment 2 are formerly forested wetlands that have been maintained as transmission line corridor for many years. Species with a graminoid growth habit that are common include wool-grass, nodding sedge, rattlesnake mannagrass, fowl mannagrass. Common herbs include sensitive fern, cinnamon fern, wrinkle leaved goldenrod, spotted touch-me-not. Scattered shrubs and saplings are present in some of the PEM wetlands. These include balsam fir, red spruce, speckled alder, and red maple.

PSS (Palustrine Scrub-Shrub Wetlands)

Seven PSS wetlands that do not meet the definition of WOSS were identified during field surveys along Segment 2 (Table 2). These scrub-shrub wetlands are typically dominated by dense stands of speckled alder and meadowsweet species. Additional shrubs and saplings found throughout the wetland included maple, pussy willow, and balsam fir. Sensitive fern, cinnamon fern, soft rush, and spotted touch-me-not are often present in the herb stratum. Many of the PSS wetlands on Segment 2 are formerly forested wetlands that have been maintained as transmission line corridor for many years.

PFO (Palustrine Forested Wetlands)

Nineteen PFO wetlands that do not meet the definition of WOSS were identified along Segment 2 during field surveys (Table 2). These wetlands are typically dominated by black ash, red maple, and balsam fir. Common subordinate species are yellow birch, white cedar, and saplings of the canopy species. Shrubs such as speckled alder are commonly present where the canopy opens. Sensitive fern, cinnamon fern, nodding sedge, and reed canary grass are common herbs. PFO wetlands are present at the edges of the transmission line corridor, in areas that are not maintained.

POW/PFO (Palustrine Open Water/Forested Wetlands)

Two POW/PFO wetlands, Wetland 55-02 and 55-03, which do not meet the definition of WOSS, were identified during field surveys along Segment 2 (Table 2). These wetlands are dominated by an approximately even mix of open water and forested cover. The forested component is generally typical of what is described in the above PFO wetland description while the open water component of this wetland is semi-permanently flooded.

Soils and Hydrology in PEM, PSS, PFO, and Mixed Communities

Soil profiles within the wetlands identified along Segment 2 are generally characterized by an organic surface horizon and/or a dark A horizon with matrix values less than or equal to 3 and chromas of 2 or less. Subsoils are commonly characterized by a depleted layer with matrix values of 4 or more and a chroma of 2 or less with redoximorphic features. Silty loam textured soils are common. Occasional organic soils are present, generally with sapric horizons at least 16 inches deep. Most soils meet criteria F6, F3, and A1 of the Field Indicators of Hydric Soils of the United States Manual, Version 8.0. Soils were generally saturated at the time of investigation and free water was often observed in the pit within 12 inches of the soil surface. Wetland hydroperiods are typically seasonally saturated, although seasonally flooded areas are also present.

1.4.2.2 Representative Wetland Descriptions: WOSS

On Segment 2, fifty-four wetlands were identified as WOSS. Some wetlands (or portions thereof) within the Segment 2 transmission line corridor are WOSS because they are associated with a river, stream, or brook; are located in the 100-year flood zone (see flood zone maps in Attachment A); contain Significant Vernal Pools ("SVPs") or a Potentially Significant Vernal Pool ("PSVP"); contain greater than 20,000 square feet of emergent marsh vegetation and/or open water; contain peatland; and/or contain moderate or high value IWWH. Twenty of the WOSS are PEM wetlands, five are PSS wetlands, and six are PFO wetlands (Table 2). The remaining 23 WOSS are mixed community type wetlands.

The following narratives provide specific information on vegetation, soils, and hydrology for six representative wetlands identified along Segment 2 that meet the criteria for designation as WOSS.

Wetland 54-01

Wetland 54-01 is a predominantly PFO wetland with a small PSS component located within CMP's existing transmission line corridor in The Forks Plantation. The wetland is classified as WOSS because it is located within 250 feet of Moxie Lake. Wetland areas within 250 feet of the normal high water line, and within the same watershed, of any lake or pond classified as great pond are WOSS. Wetland 54-01 also contains a perennial stream P-STR-54-1 and an intermittent stream I-STR-54-02.

Dominant trees in the canopy include northern white cedar, black ash, yellow birch, red maple and balsam fir. Dominant shrubs include speckled alder, meadowsweet, red maple, northern white cedar, and silky dogwood. Common herbs species include swamp sensitive fern, reed canary grass, fringed sedge, interrupted fern, equisetum and goldenrod species. This wetland is seasonally saturated to seasonally flooded. Other indicators of wetland hydrology include sediment deposits and water stained leaves. The silt loam textured soils have a dark Ap horizon underlain by a depleted Bg horizon at 2 inches, and meet indicator A11 of the Field Indicators Manual.

Wetland 56-01

Wetland 56-01 is a PEM/PFO wetland located within the cleared corridor of CMP's existing transmission line in The Forks Plantation, Maine. Wetland 56-01 is contiguous with greater than 20,000 square feet of PEM, and is within 250 feet of Moxie Pond, a great pond. Wetland 56-01 and is therefore a WOSS.

Dominant herbaceous species include reed canary grass, fringed sedge, sensitive fern, goldenrod species and aster species. Hydrology indicators include surface water, high water table, saturation, and water stained leaves. Soils are characterized by a thin dark A horizon, rock refusal at 4 inches. Soils key to indicator TF12 of the Field Indicators Manual.

Wetland 64-03

Wetland 64-03 is a PFO wetland located partially within the cleared corridor of CMP's existing transmission line and extending east off the survey area in Bald Mountain Township. While the on-site portion of the wetland is characterized by coniferous forested wetlands, a majority of the wetland off site is visible from the survey area and is characterized by a broad expanse of natural emergent marsh, identified as IWWH. Because wetland 64-3 contains significant wildlife habitat and PEM wetland greater than 20,000 square feet the wetland is WOSS. Additionally, wetland 64-03 contains two river, stream, or brooks.

The forested portion of wetland 64-03 is dominated by northern white-cedar and balsam fir. Sapling and shrub species within this portion of the wetland are dominated by speckled alder and meadowsweet. Areas dominated by herbaceous cover include three-seed sedge, northern green rush, reed canary grass, rattlesnake manna grass and broad expanses of sphagnum moss. Hydrology indicators include high water table, saturation, and algal crust. Soils are characterized by a thick organic O horizon, with rock refusal at 14 inches. Soils key to indicator A1 of the Field Indicators Manual. During field investigations, wetland scientists noted moose and bear sign.

Wetland 64-06

Wetland 64-06 is a PSS wetland located within and adjacent to CMP's existing transmission line corridor in Bald Mountain Township T2 R3. This wetland is associated with an unnamed perennial stream. The stream is approximately four feet wide and substrates consist of peat and muck. Wetland areas within 25 feet of the stream are WOSS.

Dominant shrubs include speckled alder, meadowsweet, and black spruce. Emergent species include barber-pole sedge, lamp rush and three-seed sedge. Hydrogen sulfide odor, water stained leaves, surface water and saturation are indicators of wetland hydrology. The mineral soils have a loamy texture in subhorizons, with eight inches of sapric organic material. The A horizon is dark gray with rock refusal at 14 inches. These soils meet criteria A2 of the Field Indicators Manual.

Wetland 64-10

Wetland 64-10 is a large PFO/PEM wetland that extends well beyond the boundary of the existing, developed CMP transmission line corridor. The wetland straddles the boundary of Bald Mountain Township and Caratunk. The wetland contains a peatland, and thus, the wetland is classified as a WOSS.

Within the survey area, leatherleaf, black spruce saplings and meadowsweet are common shrubs. The herbaceous stratum includes broad-leaf cattail, rattlesnake mannagrass and lamp rush. Evidence of wetland hydrology in this seasonally flooded wetland includes surface water, saturation and sulfidic odor. A 30 inch-thick organic, sapric horizon is present and meets criterion A1 of the Field Indicators Manual.

Wetland 74-102

Wetland 74-102 is a PEM/PSS wetland located within the cleared corridor of CMP's existing transmission line in Moscow. The wetland is a natural depression that appears to have been modified by timber harvest equipment and transmission line construction equipment in years past. Wetland 74-102 contains high and moderate value deer wintering area (DWA), as defined and mapped by MDIF&W and is therefore considered a WOSS. Dominant vegetation within the herbaceous layer includes sensitive fern, cinnamon fern, reed canary grass and speckled alder seedlings. A small PSS component exists and is dominated by speckled alder. Hydrology indicators include surface water, saturation, and an algal mat. Soils are characterized by a thin dark A horizon with rock refusal at 8 inches. Soils key to indicator TF12 of the Field Indicators Manual.

1.4.3 Segment 3

Segment 3, approximately 71.1 miles in length, extends from the Wyman hydropower station in Moscow to the proposed Merrill Road Converter Station in Lewiston. Segment 3 will be located within an existing, partially developed 400-foot wide transmission line corridor, where clearing widths are 75 feet in most locations. Towns associated with NECEC Segment 3 include Moscow, Concord, Embden, Anson, Starks, Industry, New Sharon, Farmington, Wilton, Chesterville, Jay, Livermore Falls, Leeds, Greene, and Lewiston. Segment 3 is located within the Lower Kennebec River and Lower Androscoggin River Watersheds (HUC 8) and within the Central Maine Embayment Biophysical Region.

Four hundred ninety wetlands were identified, delineated, and mapped within the Segment 3 transmission line corridor (see Attachment A for Natural Resources Maps). Forty-one wetlands are PEM wetlands, fifty-seven are PSS wetlands, one hundred and eight are PFO wetlands, eighty-five are

PSS/PFO wetlands, fifty-eight are PEM/PFO wetlands, seventy-six are PEM/PSS wetlands, one is a PFO/PSS/POW wetland, one is a PFO/PEM/POW wetland, one is a PUB wetland, one is a PUB/PFO wetland, and one is a PUB/PSS wetland (Table 3).

These wetlands receive sustaining hydrology from a high groundwater table, seepage, surface runoff from adjacent uplands, or inputs from adjacent waterbodies. Functions and values provided by wetlands within Segment 3 include groundwater recharge/discharge, sediment/shoreline stabilization, floodflow alteration, nutrient removal, and sediment retention, with many of the wetlands providing wildlife habitat.

Table 3: Summary of Wetland Classes and Wetlands of Special Significance- Segment 3

NonWOSS

Total
WOSS

	Non- WOSS	WOSS	Total
PEM	26	15	41
PSS	32	25	57
PFO	69	39	108
PEM/PSS	40	36	76
PSS/PFO	39	46	85
PFO/PEM	26	32	58
PUB	0	1	1
PUB/PFO	2	1	3
PUB/PSS	1	0	1
PEM/PFO/PSS	21	20	41
PFO/PEM/POW	0	1	1
PFO/PSS/POW	0	1	1
Unknown	7	10	17
Subtotal	263	227	490

The following are representative descriptions of the categories of wetlands that were encountered and mapped within the Segment 3 transmission line corridor.

1.4.3.1 Representative Wetland Descriptions: Non-WOSS

PEM (Palustrine Emergent Wetlands

Twenty-six PEM wetlands of similar composition and characteristics (e.g., wet meadows and marshes) that do not meet the definition of WOSS were identified along Segment 3 (Table 3). The PEM wetlands are characterized by persistent vegetation dominated by graminoids and herbaceous vegetation, although scattered shrubs and saplings are present in some of the PEM wetlands in Segment 3. The three typical types of PEM wetland identified were portions of maintained fields, natural emergent marshes, and formerly forested wetlands that were cleared and are maintained as transmission line corridor. Common graminoid species include sallow sedge, cotton grass, wool-grass, and various sedge and rush species. Common herbs include broad-leaved cat-tail, sensitive fern, flat-topped white aster, New England aster, cinnamon fern, smooth goldenrod, Labrador tea, and swamp dewberry. Scattered shrubs and saplings

observed in some of the PEM wetlands include steeple-bush, meadowsweet, winterberry, speckled alder, willow species, balsam fir, and red maple.

PSS (Palustrine Scrub-Shrub Wetlands)

Thirty-two PSS wetlands that do not meet the definition of WOSS were identified during field surveys along Segment 3 (Table 3). These scrub-shrub wetlands are dominated by dense stands of speckled alder and winterberry mixed with steeple-bush, and meadowsweet. Other shrubs and saplings present include mountain holly, silky dogwood, wild-raisin, and willow species. Gray birch, yellow birch, red maple, black ash, and balsam fir saplings are also present. Shade tolerant species such as sensitive fern and cinnamon fern as well as various sedge species are often present in the herb stratum. Many of the PSS wetlands on Segment 3 are formerly forested wetlands that have been maintained as transmission line corridor for many years.

PFO (Palustrine Forested Wetlands)

Sixty-nine PFO wetlands that do not meet the definition of WOSS were identified along Segment 3 during field surveys (Table 3). These wetlands are typically dominated by balsam fir, red maple, gray birch, yellow birch, black ash, and green ash. Northern white cedar and eastern hemlock are also present. The understory is typically comprised of saplings of the canopy species. Shrubs such as winterberry and speckled alder are also present where the canopy opens. Royal fern, cinnamon fern, jewelweed, dewberry, and sensitive fern are common herbs. A sphagnum moss ground cover is also typical. Most of the forested wetlands located on Segment 3 are located adjacent to the existing cleared transmission line corridor, within the area proposed for expansion.

PSS/PFO (Palustrine Scrub-Shrub/Emergent Wetlands

Thirty-nine PSS/PFO wetlands that do not meet the definition of WOSS were identified during field surveys along Segment 3 (Table 3). These were determined to be scrub-shrub/forested wetlands because they have a co-dominance of these two cover types. The scrub-shrub and forested components are typical of what is described in the PSS and PFO representative wetland descriptions. The survey corridor in this segment is partially forested; the maintained cleared transmission line corridor contains PSS wetland and small areas of PEM wetland, and the un-cleared area contains PFO wetland.

PEM/PSS (Palustrine Emergent/Scrub-Shrub Wetland)

Forty PEM/PSS wetlands which do not meet the definition of WOSS were identified during field surveys along Segment 3 (Table 3). The emergent and scrub-shrub components are typical of what is described in the above PEM and PSS representative wetland descriptions.

PUB/PSS (Palustrine Unconsolidated bottom/Scrub-Shrub Wetland)

Two PUB/PSS wetlands which do not meet the definition of WOSS were identified during field surveys along Segment 3 (Table 3). The Scrub-Shrub component is typical of what is described in the above PSS representative wetland descriptions. A PUB is a freshwater wetland with an open water component and an unconsolidated bottom soil structure. Wetlands in this category are characterized by both wetland components.

PFO/PUB (Palustrine Forested/Unconsolidated Bottom Wetland

Two PFO/PUB wetlands which do not meet the definition of WOSS were identified during field surveys along Segment 3 (Table 3). The forested component is typical of what is described in the above PFO representative wetland descriptions. A PUB is a freshwater wetland with an open water component and an unconsolidated bottom soil structure. Wetlands in this category are characterized by both wetland components.

Soils and Hydrology in PEM, PSS, PFO, and Mixed Communities

Soil profiles within the wetlands identified along Segment 3 vary according to location in the region, topography, parent material, aspect, and saturation level. Wetland soil characteristics range from thick organic soils to seasonally saturated mineral soils. The mineral soil parent materials include fine-grained marine sediments, glacial till, and outwash. The mineral soils are generally characterized by an organic surface horizon and/or a dark A horizon with matrix values less than or equal to 3 and chromas of 2 or less. Subsoils are commonly characterized by a depleted Bg horizon with matrix values of 4 or more and a chroma of 2 or less with distinct or prominent redoximorphic features. Silt loam-textured soils are common. Organic soils are present, generally with sapric horizons extending at least 16 inches below the top of the soil surface. Most soils meet criteria F6, F3, and A1 of the Field Indicators of Hydric Soils of the United States Manual, Version 8.0. Soils were generally saturated at the time of investigation and free water was often observed in the pit within 12 inches of the soil surface. Wetland hydroperiods are typically seasonally saturated, although seasonally flooded areas are occasionally present on the segment. Other typically noted evidence of hydrology is drainage patterns, shallow roots, water-stained leaves, and surface scouring.

1.4.3.2 Representative Wetland Descriptions: WOSS

In Segment 3, two hundred twenty-seven wetlands were identified as WOSS. Some wetlands (or portions thereof) within the Segment 3 transmission line corridor are WOSS because they are associated with large (greater than 20,000 square feet) open water or emergent marsh vegetation wetlands; are associated with rivers, streams or brooks; are located in the 100-year flood zone (see flood zone maps in Attachment A); contain SVPs and potentially significant vernal pools (PSVPs); contain peatland; and/or contain moderate or high value WWH. Fifteen of the WOSS are PEM wetlands, twenty-five are PSS wetlands, thirty-nine are PFO wetlands, thirty-six are PEM/PSS wetland, thirty-two are PEM/PFO wetlands, forty-six are PSS/PFO wetlands, one is a PUB wetland and the remainder are mixed community type wetlands (**Table 3**).

The following narratives provide specific information on vegetation, soils, and hydrology for eleven representative wetlands identified along Segment 3 that meet the criteria for designation as WOSS.

Wetland 78-05

Wetland 78-05 is predominantly a PFO wetland with smaller PEM components restricted to the cleared portion of the CMP transmission line corridor. The wetland extends beyond the survey area to the west and is located in Concord Township, Maine. Wetland 78-05 is a cedar swamp and contains two small and shallow intermittent streams having a rocky streambed. Wetland 78-05 contains a natural community that is either critically imperiled (S1) or imperiled (S2) as defined by the MNAP, thus, the wetland is considered a WOSS. In addition, wetlands within 25 feet of the streams are WOSS.

The forested component of wetland 78-05 is dominated by northern white cedar and yellow birch. The understory is dominated by saplings of the same canopy species. The sparse herbaceous layer consists of dwarf red raspberry and false lily of the valley. Hydrology indicators include saturation, high water table, and water stained leaves. Soils are histosols, characterized by a thick dark O horizon and key to indicator A1 of the Field Indicators Manual.

Wetland 100-05

Wetland 100-05 is a PFO wetland located partially within the cleared corridor of CMP's existing transmission line and also extending east and west off the survey area in Starks, Maine. Wetland 100-05 is a long, narrow drainage and drains to the northwest. While it is mainly composed of PFO wetland, there are smaller components of PEM and PSS wetland. Wetland 100-5 contains significant wildlife

habitat. Areas within wetland 100-05 have been identified as IWWH. Because wetland 100-05 contains significant wildlife habitat the wetland is WOSS.

The forested portion of wetland 100-05 is dominated by gray birch and red maple. Sapling and shrub species within this portion of the wetland are also dominated by gray birch and red maple. Areas dominated by herbaceous cover include Canada bluejoint, sensitive fern, ostrich fern, New York fern, rough avens, and foam flower. Hydrology indicators include seasonal flooding, drainage patterns and surface scouring. Several springs and seeps that disappear into the wetland were noted by wetland scientists during investigations. Soils are characterized by a shallow dark A horizon underlain by a depleted matrix with redoximorphic concentrations. Soils are deep, sandy loam textures. Soils key to indicator F3 of the Field Indicators Manual.

Wetland 103-11

Wetland 103-11 is predominantly a PSS/PFO wetland with smaller PEM components. The wetland is located partially within the cleared corridor of CMP's existing transmission line and also extends beyond the survey area to the north and south. Wetland 103-11 has a long and narrow configuration and drains to the north. It is composed of several wetland drainages along the floodplain of the perennial Goodrich Stream and contains two other unnamed streams. All streams within wetland 103-11 have substrates consisting of cobble, gravel and sand. Goodrich Stream is approximately 15 feet wide, while the second perennial stream is about seven feet wide. Wetland 103-11 contains high and moderate value deer wintering area (DWA), as defined and mapped by MDIF&W and is therefore considered a WOSS. Additionally, wetlands located within 25 feet of a river, stream, or brook are WOSS.

A mix of broad-leaved and deciduous trees dominate the PFO wetland area and include yellow birch and balsam fir. The shrub and sapling layer consists of speckled alder and balsam fir. Dominant herbaceous species include sensitive fern, king of the meadow, spotted touch me not, Canada bluejoint, boneset, arrowleaf, tearthumb, and aster species. Hydrology indicators include saturation, drainage patterns and elevated roots. Soils are characterized by a thick dark A horizon underlain by a B horizon consisting of dark gray with redox concentrations. Soils key to indicator F3 of the Field Indicators Manual.

Wetland 116-05

Wetland 116-05 is a typical example of PFO/PEM/POW WOSS found along Segment 3. This is a mixed-wood, mature, forested wetland with the exception of the portion of the wetland that is maintained as cleared transmission line corridor. The wetland is located partially within the CMP

transmission line corridor and partially within forested areas adjacent to the transmission line corridor. Wetland 116-05 extends off the survey area to the east and west. Wetland 116-05 is a WOSS because it contains significant wildlife habitat. A straddle pool, PSVP-117-02 is within the uncleared portion of the wetland, adjacent to the western boundary. Wetland 116-5 also contains an unnamed perennial stream that drains to the north. The stream is about five feet wide, dominated by boulders, cobble and gravel. Three natural, non-significant vernal pools, VP-116-5, 116-06, and 117-01, were found within the cleared transmission line portion of the wetland.

Dominant herbaceous species include broad-leaf cattail, pointed broom sedge, shallow sedge, bluejoint, sensitive fern, and cinnamon fern. Noted shrub species include meadowsweet, steeplebush, catberry and common winterberry. Off the cleared portion of the transmission line corridor, forested components of the wetland are dominated by red maple, yellow birch, black ash and green ash. Noted evidence of wetland hydrology includes permanent and seasonal flooding, saturated soils, silt deposition, water marks, buttressed roots, elevated roots and drainage patterns. Soils in this wetland generally consist of a shallow organic surface underlain by silt loam-textured soils with a depleted or gleyed matrix. A layer of coarse sand was observed between 5-9 inches. The majority of the wetland meets indicator A3 of the Field Indicators Manual.

Wetland 121-01

Wetland 121-01 is a typical example of PEM WOSS found along Segment 3. The portion of the wetland that is within the cleared transmission line corridor and beyond is dominated by emergent marsh wetland vegetation in Jay, Maine. The wetland is considered a WOSS because it contains an open water wetland greater than 20,000 square feet. This wetland is also traversed by an unnamed perennial tributary stream. Due to these criteria, the wetland within 25 feet of the stream is considered WOSS. During their site visits, wetland scientists observed deer, beaver and muskrat sign.

Dominant herbaceous species include reed canary grass, lamp rush, rattlesnake manna grass, broadleaf cattail, tussock sedge, pointed broom sedge, yellow-green sedge, royal fern, swamp candles, simpler's joy and green arrow-arum. Noted evidence of wetland hydrology includes saturated soils, permanent and seasonal flooding, drainage patterns and silt deposition. Soils in this wetland generally have a thin organic surface, which is underlain by a fine sandy loam with a depleted matrix. The majority of the wetland meets indicator A11 of the Field Indicators Manual.

Wetland 122-03

Wetland 122-03 is a typical example of PSS WOSS wetland found along Segment 3. This wetland is naturally dominated by scrub-shrub wetland vegetation due to the site hydrology. The wetland extends beyond the CMP transmission line corridor in Livermore Falls. Areas of this wetland that are within 25 feet of the stream are WOSS.

The wetland is considered a WOSS because of its association with Clay Brook and Redwater Brook, which are tributaries to the Androscoggin River. Wetlands within 25 feet of the streams are WOSS.

Dominant shrub species include speckled alder, buckthorn, southern arrow-wood and red osier dogwood. Emergent vegetation scattered throughout small, open pockets includes rattlesnake grass, sensitive fern, fringed sedge, shallow sedge, red-tinge bulrush, cinnamon fern, blue joint, and reed canary grass. Noted evidence of wetland hydrology includes seasonal flooding, drainage patterns, silt deposition, and surface scouring. Soils in this wetland have a thin organic surface, underlain by a silt loam with a depleted matrix. The majority of the wetland meets indicator F6 of the Field Indicators Manual.

Wetland 127-01

Wetland 127-01 is predominantly comprised of PFO wetland. The wetland is located beyond the cleared CMP transmission line corridor in Livermore Falls. This small, isolated wetland is located about 200 feet east of the Androscoggin River. The wetland contains habitat for a Special Concern (SC) freshwater mussel species, the creeper (*Strophitus undulates*); therefore, the wetland is WOSS. In addition, wetland 127-1 is located within 25 feet of a stream. Wetlands within 25 feet of a river, stream or brook are WOSS.

Vegetation found within herbaceous stratum includes sensitive fern, lady fern and cinnamon fern. The forested canopy of wetland 127-01 is dominated by striped maple, balsam fir and red maple. Saplings found within the PFO component of the wetland red maple and balsam fir. The wetland is seasonally flooded and signs of hydrology include surface water (up to 1"), water stained leaves, and drainage patterns. Soils are comprised of a shallow dark A horizon, underlain by a depleted B horizon comprised of silt loam. These soils meet indicator F3 of the Field Indicators Manual.

Wetland 129-01

Wetland 129-01 is predominantly a PFO wetland with smaller PEM components restricted to the cleared CMP transmission line corridor. Wetland 120-01 is located partially within the cleared corridor

of CMP's existing transmission line and extends beyond the survey area to the west in Livermore Falls. Wetland 129-01 is characterized by pit and mound topography within the forested component. Wetland 129-01 contains ETS and is therefore a WOSS.

A mix of broad-leaved deciduous and coniferous trees including green ash, red maple, gray birch and American larch dominate the PFO wetland area. The shrub layer consists of common winterberry, meadowsweet, steeple bush, maleberry, red osier dogwood, sheep laurel and rhodora. Dominant herbaceous species include sensitive fern, cinnamon fern, royal fern, scouring rush, yellow-green sedge, Canada bluejoint, fringed sedge, arrowleaf, tearthumb, tawny cottongrass and expanses of thick sphagnum moss. Hydrology indicators include saturation, drainage patterns and water stained leaves. Soils are characterized by a shallow organic horizon and a thin dark A horizon, underlain by a depleted B horizon consisting of dark gray with redox concentrations. Soils are sandy and key to indicator S5 of the Field Indicators Manual.

Wetland 131-01

Wetland 131-01 is predominantly comprised of PSS wetland with smaller PEM components. The wetland is located both within and beyond the cleared CMP transmission line corridor in Leeds. The wetland drains towards the Dead River, a tributary to the Androscoggin River. Wetland 131-01 is within areas identified as a 100-year flood zone. Those wetland areas within the mapped 100-year floodplain are WOSS. In addition, wetland 131-01 contains a stream. Wetlands within 25 feet of the river are WOSS.

Vegetation found within emergent components of the wetland includes Kentucky bluegrass, jewelweed, sensitive fern, and cinnamon fern. The forested component of wetland 131-01 is dominated by green ash, American elm and red maple. Shrubs found within the PFO component of the wetland include silky dogwood and speckled alder. The wetland is seasonally flooded and signs of hydrology include surface scouring, elevated roots, drift lines, and drainage patterns. Soils are comprised of a shallow dark A horizon, underlain by a depleted B horizon comprised of silt loam. These soils meet indicator A11 of the Field Indicators Manual. Wetland scientists observed deer within the wetland.

Wetland 140-06

Wetland 140-06 is predominantly a PSS wetland with smaller PFO components on site. It is located partially within the cleared corridor of CMP's existing transmission line and also extends into a broad expanse of PEM wetland beyond the survey area to the east. Wetland 140-06 is located in Greene, Maine and contains three streams that drain through the wetland and ultimately to Allen Pond. Streams

within wetland 140-6 have substrates consisting of cobble, gravel and sand. A few wood frog and spotted salamander egg masses were observed in ATV ruts near mile marker 140.5. A majority of the wetland off site is visible from the survey area and is characterized by a broad expanse of natural emergent marsh identified as IWWH. Because wetland 140-06 contains significant wildlife habitat (IWWH) and PEM wetland greater than 20,000 square feet the wetland is WOSS. Wetland 140-06 is also within 250 feet of Allen Pond, a great pond. Great ponds and freshwater wetland areas located within 250 feet of a great pond are WOSS. Additionally, wetland 140-06 contains three streams. Wetlands within 25 feet of streams are also WOSS.

The forested component of wetland 140-06 is dominated by red maple, mountain maple, yellow birch, gray birch, balsam fir and American elm. The shrub and sapling layer consists of speckled alder, common winterberry, arrowwood, red maple, and balsam fir. Dominant herbaceous species include Canada bluejoint, dark-green bulrush, cinnamon fern, late goldenrod, shallow sedge, fringed sedge and cranberry. Hydrology indicators include saturation, drainage patterns, surface scouring and areas of up to 24 inches of inundation in the center of the wetland. Soils are characterized by a thick dark A horizon underlain by a B horizon consisting of dark gray with redox concentrations. Soils key to indicator F3 of the Field Indicators Manual. During field surveys, wetland scientists observed moose and deer sign.

Wetland 142-04

Wetland 142-04 is primarily a PEM wetland within the cleared portion of the CMP transmission line corridor. This wetland extends well beyond the survey area. Areas outside the cleared corridor are characterized by forested cover. This wetland is located in Greene, Maine. As depicted on USGS topographic maps and National Wetland Inventory Maps, wetland 142-04 is contiguous with Daggett Bog, which is about 1400 feet to the west of the CMP transmission line corridor. While wetland scientists did not identify peatland within the survey boundaries, they did note that the area may be WOSS due to connectivity to Daggett Bog. Because wetland 142-04 is contiguous with a peatland, all of this wetland is considered a WOSS.

In the PEM components of the wetland, dominant species include cottongrass bulrush, lake bank sedge, broad-leaf cattail, and Canada bluejoint. Dominant species off the cleared portion of the transmission line corridor, within the PFO cover type, includes red maple, speckled alder, American larch, yellow birch and balsam fir. Wetland 142-04 is seasonally flooded (up to 12 inches noted by wetland scientists during field investigations) and displays evidence of hydrology, including water-stained leaves, drainage patterns, and surface scouring. Soils in the wetland are deep organics generally

comprised hemic material up to 18 inches deep underlain by a depleted silt loam. This wetland meets indicators A1 of the Field Indicators Manual.

1.4.4 **Segment 4**

Segment 4, approximately 16.4 miles in length, extends from Larrabee Road Substation in Lewiston, Maine to Surowiec Substation in Pownal, Maine. Segment 4 includes the rebuilding of the existing Section 62 and Section 64 115kV transmission lines between Crowley's Substation in Lewiston and Surowiec Substation in Pownal and between Larrabee Road Substation in Lewiston and Surowiec Substation, respectively. No clearing is proposed in the rebuild portions of the Project. Towns associated with NECEC Segment 4 include Lewiston, Auburn, Durham, and Pownal. Segment 4 is located within the Lower Androscoggin River and Presumpscot River Watersheds (HUC 8) and within the Central Maine Embayment Biophysical Region.

One hundred and thirty-two wetlands were identified, delineated, and mapped within the Segment 4 transmission line corridor (see Attachment A for Natural Resource Maps). Thirty-six wetlands are PEM wetlands, fifteen are PSS wetlands, two are PFO wetlands, fifty-five are PEM/PSS wetlands, eleven are PEM/PFO wetlands, eight are PSS/PFO wetlands, and four are PEM/PSS/PFO wetlands (Table 4). These wetlands receive sustaining hydrology from a high groundwater table, seepage, or inputs from adjacent waterbodies. Functions and values provided by wetlands within Segment 4 include groundwater recharge/discharge, sediment/shoreline stabilization, flood flow alteration, wildlife habitat, and sediment retention.

Table 4: Summary of Wetland Classes and Wetlands of Special Significance- Segment 4

	Non-WOSS	woss	Total
PEM	30	6	36
PSS	14	1	15
PFO	2	0	2
PEM/PSS	28	27	55
PEM/PFO	5	6	11
PSS/PFO	3	5	8
PEM/PSS/PFO	2	2	4
Unknown	0	1	1
Subtotal	84	48	132

The following are representative descriptions of the categories of wetlands that were encountered and mapped within the Segment 4 transmission line corridor.

1.4.4.1 Representative Wetland Descriptions: Non-WOSS

PEM (Palustrine Emergent Wetlands)

Thirty PEM wetlands of similar composition and characteristics (e.g., wet meadows) that do not meet the definition of WOSS were identified along Segment 4 (Table 4). Typical types of PEM wetland identified were portions of former agricultural fields and formerly forested wetlands that were cleared and are maintained as transmission line corridor. These wetlands are characterized by persistent vegetation dominated by graminoids and herbs, although scattered shrubs are sometimes present. Vegetation in the wet meadow communities is relatively consistent within Segment 4. Species with a graminoid growth habit that are common include cottongrass bulrush, lamp rush, fringed sedge, reed canary grass, darkgreen bulrush, common fox sedge, and melic manna grass. Common herbs include sensitive fern, bristly dewberry, late goldenrod, broad-leaved cat-tail and aster species. Scattered shrubs and saplings are present in some of the PEM wetlands. These include winterberry, speckled alder, willow species, gray birch, yellow birch, steeple-bush, and meadowsweet.

PSS (Palustrine Scrub-Shrub Wetlands)

Fourteen PSS wetlands that do not meet the definition of WOSS were identified during field surveys (see Table 4). Similar to the PEM wetlands, many of the PSS wetlands on Segment 4 are formerly forested wetlands that have been maintained as transmission line corridor for many years. These scrub-shrub wetlands are typically dominated by dense stands of speckled alder and winterberry. Other shrubs and saplings are also present and include willow species, arrowwood, silky dogwood, meadowsweet, steeplebush and red maple. Shade tolerant species such as sensitive fern, cinnamon fern, goldenrods and asters are generally present in the herb stratum.

PFO (Palustrine Forested Wetlands)

Two PFO wetlands, that do not meet the definition of WOSS, were identified along Segment 4 (Table 4). The PFO wetlands are dominated by red maple, green and ash. PFO wetlands within Segment 4 are located at the edge of the existing cleared transmission line corridor where tree clearing has not been performed. Common sapling and shrub species are arrowwood, green ash, and meadowsweet. Sensitive fern and equisetum are common herbs.

PEM/PSS (Palustrine Emergent/Scrub-Shrub Wetlands)

Twenty-eight PEM/PSS wetlands which do not meet the definition of WOSS were identified during field surveys along Segment 4 (Table 4). Wetlands within the existing transmission line corridor are a mixture of emergent and scrub-shrub components, both of which are typical of what is described in the above PEM and PSS representative wetland descriptions.

Soils and Hydrology in PEM, PSS, PFO, and PEM/PSS Communities

Soil profiles within these wetlands are generally characterized by an organic surface horizon and/or a dark A horizon with matrix values less than or equal to 3 and chromas of 2 or less. Subsoils are commonly characterized by a depleted Bg horizon with matrix values of 4 or more and a chroma of 2 or less with redoximorphic features. Surface horizons are underlain by Cg horizons in some alluvial soils. Soil textures range from sand to silty clay loam, although silty textured soils are most common. Occasional organic soils are found, generally with sapric horizons at between 6 and 16 inches deep. Most soils meet criteria A2, F3 and A11 of the Field Indicators of Hydric Soils of the United States Manual, Version 8.0. Wetland hydroperiods are typically seasonally saturated, although seasonally flooded areas are also present. All of these wetlands appear to receive some hydrologic inputs from groundwater as well as surface runoff. Soils were generally saturated at the time of investigation and free water in the pit was often observed within 12 inches of the soil surface.

1.4.4.2 Representative Wetland Descriptions: WOSS

On Segment 4, forty-eight wetlands were identified as WOSS. Some wetlands (or portions thereof) within the Segment 4 transmission line corridor are WOSS because they are located in the 100-year flood zone (see floodplain maps in Attachment A); contain greater than 20,000 square feet of emergent marsh vegetation and/or open water; contain SVPs or PSVPs; contain moderate or high value IWWH; contain a river, stream, or brook; and/or contain peatland. Additionally, any freshwater wetland located within 250 feet of a great pond is WOSS. Six WOSS are PEM wetlands, one is a PSS wetland, twenty-seven are PEM/PSS wetlands, six are PEM/PFO wetlands, five are PEM/PSS wetlands, and two are PEM/PSS/PFO wetlands (Table 4).

The following narratives provide specific information on vegetation, soils, and hydrology for four representative wetlands identified along Segment 4 that meet the criteria for designation as WOSS.

Wetland 146-04

Wetland 146-04 is a riparian PSS wetland that runs along Stetson Brook. This wetland is located within the CMP Section 3026 transmission line corridor in the town of Lewiston, Maine. This wetland contains a brook; therefore, the wetland area within 25 feet of Stetson Brook is a WOSS. Stetson Brook is a 50-foot wide perennial stream with sand/silt substrate within the Project corridor.

Dominant herbaceous vegetation within the wetland includes bluejoint grass, sensitive fern, dewberry, and wrinkle-leaf goldenrod. Speckled alder and winterberry are dominant in the shrub layer of this wetland; other shrubs include arrowwood, silky dogwood, and meadowsweet. This wetland has a seasonally flooded hydroperiod. Signs of wetland hydrology include surface scouring, and drainage patterns. Soils have a silt loam texture with a deep 12-inch dark A horizon, and a depleted B horizon that extends to 15 inches below the soil surface. The soil profile meets hydric criterion F3 of the Field Indicators Manual.

Wetland 152-01

Wetland 152-01 is A PEM dominated wetland located in the city of Lewiston. This wetland traverses the transmission corridor and has a small area that extends into the woods on the west side of the corridor. This wetland contains a mapped deer wintering area, considered a significant wildlife habitat; therefore, the wetland is considered a WOSS.

Dominant vegetation within the wetland includes woolgrass, fringed sedge, shallow sedge, sensitive fern, broad-leaved cattail, rattlesnake manna grass, and Canadian rush. Scrub-shrub vegetation includes meadowsweet, winterberry, speckled alder, and arrowwood. This wetland has a seasonally flooded and saturated hydroperiod. Signs of wetland hydrology include surface scouring, drainage patterns, and surface water. Soils are comprised of a single depleted B horizon with silt loam texture greater than 12 inches thick with distinct redox. The A horizon was not apparent within the soil profile. These soils meet hydric criterion F2 of the Field Indicators Manual.

Wetland 155-03

Wetland 155-03 is a seasonally flooded to seasonally saturated PEM wetland located in the city of Lewiston. The wetland is located entirely within a FEMA mapped 100-year flood zone; therefore, the wetland is WOSS.

Wetland 155-03 is an agricultural swale along the side of harvested corn fields, therefore there are no shrub or tree strata. The herbaceous vegetation includes Canada bluejoint, reed canary grass, soft rush, hairy sedge, woolgrass, and shallow sedge. Evidence of wetland hydrology in this wetland includes saturated and seasonally flooded hydroperiod. Additional hydrology indicators include drainage patterns and surface scouring. The A horizon has a sandy loam texture with a dark matrix color. The A horizon is underlain by a depleted Bg horizon with a silt loam texture. These soils meet criterion F3 and F6 of the Field Indicators Manual.

Wetland 159-08

Wetland 159-08 is a large PEM wetland with minor areas of PSS throughout located in the city of Lewiston. The wetland is a PEM wetland larger than 20,000 square feet and is, therefore, a WOSS.

Dominant herbaceous vegetation includes woolgrass, russett sedge, bugleweed, and swamp dewberry. Dominant shrub species include speckled alder, meadowsweet, and maleberry. The wetland shows signs of saturation. Indicators of hydrology include water-stained leaves, and watermarks. The wetland has an 8 inch sapric organic layer above the soil surface. A 4-inch A horizon of clay loam is underlain by a depleted Bg horizon of clay; this soil meets indicator F3 and F7 of the Field Indicators Manual.

1.4.5 Segment 5

Segment 5, approximately 26.5 miles, extends from Coopers Mills Substation in Windsor, Maine to Maine Yankee Substation in Wiscasset, Maine. Segment 5 includes existing 270-foot wide CMP Section 392. No clearing is proposed in Segment 5 of The Project. Towns associated with NECEC Segment 5 include Windsor, Whitefield, Alna, Wiscasset, and Woolwich. Segment 5 is located within the Lower Kennebec River and St. George-Sheepscot River Watersheds (HUC 8) and is within the Central Maine Embayment Biophysical Region.

One hundred and fifty-seven wetlands were identified, delineated, and mapped within the Segment 5 transmission line corridor (see Attachment Afor Wetland and Stream Resource Maps). Twenty-eight wetlands are PEM wetlands, forty-seven are PSS wetlands, three are PFO wetlands, sixty-five are PEM/PSS wetlands, two are PEM/PFO wetlands, one is a PSS/PFO wetland and six are PEM/PSS/PFO wetlands, and (Table 5).

These wetlands receive sustaining hydrology from a high groundwater table, seepage, or inputs from adjacent waterbodies. Functions and values provided by wetlands within Segment 5 include groundwater recharge/discharge, nutrient removal, sediment/shoreline stabilization, floodflow alteration, wildlife habitat, and sediment retention.

Table 5: Summary of Wetland Classes and Wetlands of Special Significance- Segment 5

	Non-WOSS	woss	Total
PEM	13	15	28
PSS	28	19	47
PFO	1	2	3
PEM/PSS	26	39	65
PEM/PFO	0	2	2
PSS/PFO	0	1	1
PEM/PSS/PFO	2	4	6
Unknown	4	1	5
Subtotal	70	81	157

The following are representative descriptions of the categories of wetlands that were encountered and mapped within the Segment 5 transmission line corridor.

1.4.5.1 Representative Wetland Descriptions: Non-WOSS

PEM (Palustrine Emergent Wetlands)

Thirteen PEM wetlands of similar composition and characteristics (e.g., wet meadows) that do not meet the definition of WOSS were identified along Segment 5 (Table 5). Typical types of PEM wetland identified were portions of former agricultural fields and formerly forested wetlands that were cleared and are maintained as transmission line corridor. These wetlands are characterized by persistent vegetation dominated by graminoids and herbs, although scattered shrubs are sometimes present.

Vegetation in the wet meadow communities is relatively consistent within Segment 5. Species with a graminoid growth habit that are common include cottongrass bulrush, lamp rush, fringed sedge, reed canary grass, dark-green bulrush, common fox sedge, and melic manna grass. Common herbs include sensitive fern, bristly dewberry, late goldenrod, broad-leaved cat-tail and aster species. Scattered shrubs and saplings are present in some of the PEM wetlands. These include winterberry, speckled alder, willow species, gray birch, yellow birch, steeple-bush, and meadowsweet.

PSS (Palustrine Scrub-Shrub Wetlands)

Twenty-eight PSS wetlands that do not meet the definition of WOSS were identified during field surveys (see Table 5). Similar to the PEM wetlands, many of the PSS wetlands on Segment 5 are formerly forested wetlands that have been maintained as transmission line corridor for many years. These scrubshrub wetlands are typically dominated by dense stands of speckled alder and winterberry. Other shrubs and saplings are also present and include willow species, arrowwood, silky dogwood, meadowsweet, steeplebush and red maple. Shade tolerant species such as sensitive fern, cinnamon fern, goldenrods and asters are generally present in the herb stratum.

PFO (Palustrine Forested Wetland)

One PFO wetland which does not meet the definition of WOSS, was identified during field surveys (Table 5). This wetland is dominated by red maple, and green ash. It is located at the edge of the existing cleared transmission line corridor. Common sapling and shrub species are arrowwood, green ash, and meadowsweet. Sensitive fern and equisetum are common herbs.

PEM/PSS (Palustrine Emergent/Scrub-Shrub Wetlands

Twenty-six PEM/PSS wetlands that do not meet the definition of WOSS were identified during field surveys along Segment 5 (Table 5). These wetlands are dominated by an approximately even mix of herbaceous and scrub-shrub vegetation. The emergent and scrub-shrub components are typical of what is described in the above PEM and PSS representative wetland descriptions.

Soils and Hydrology in PEM, PSS, PFO, and Mixed Communities

Soil profiles within these wetlands are generally characterized by an organic surface horizon and/or a dark A horizon with matrix values less than or equal to 3 and chromas of 2 or less. Subsoils are commonly characterized by a depleted Bg horizon with matrix values of 4 or more and a chroma of 2 or less with redoximorphic features. Soil textures range from silt loam to loamy sand, although silt loam and sandy loam soils are the most common. Most soils meet criteria F3, F6, and S5 of the Field Indicators of Hydric Soils of the United States Manual, Version 8.0. Soils were generally saturated at the time of investigation and free water was often observed in the pit within 12 inches of the soil surface.

Wetlands along Segment 5 are generally relatively flat, non-sloping wetlands, accordingly, the wetland hydroperiods are typically seasonally saturated and flooded areas are also present. ATV/four-wheel drive ruts are present in wetlands along this segment. Indicators of hydrology include surface water, high water table, saturation, water stained leaves, sediment deposits, and drainage patterns.

1.4.5.2 Representative Wetland Descriptions: WOSS

On Segment 5, eighty-three wetlands were identified as WOSS. Some wetlands (or portions thereof) within the Segment 5 transmission line corridor are WOSS because they are located in the 100-year flood zone (see floodplain maps in Appendix A); contain greater than 20,000 square feet of emergent marsh vegetation and/or open water; contain SVPs or a PSVP; contain T&E species habitat; and/or are associated with a river, stream or brook. Fifteen WOSS are PEM wetlands, nineteen are PSS wetlands, two are PFO wetlands, thirty-nine are PEM/PSS wetlands, two are PEM/PFO wetlands, 1 is PSS/PFO wetland, and 4 are PEM/PSS/PFO wetlands (Table 5).

The following narratives provide specific information on vegetation, soils, and hydrology for five representative wetlands identified along Segment 5 that meet the criteria for designation as WOSS.

Wetland 162-04

Wetland 162-04 is a large, predominantly PEM wetland in the town of Windsor, which also contains an area of PSS wetland habitat off site. The wetland contains significant wildlife habitat due to a PSVP, as well as habitat for a T&E freshwater mussel species, the brook floater, therefore, the wetland is WOSS. Additionally, wetland 162-04 is traversed by a 6 to 10-foot wide perennial stream which is an unnamed tributary to the West Branch of the Sheepscot River. An intermittent stream also traverses the wetland at the northeast end of the wetland, closer to Coopers Mill Road. The wetland area located within 25 feet of the stream is considered a WOSS. The wetland also contains two natural non-significant vernal pools.

In emergent components of the wetland, mostly within the maintained pipeline and transmission line corridors, dominant species include cinnamon fern, broad-leaf cattail, Canada bluejoint, and sensitive fern. Dominant species in the scrub-shrub components include speckled alder, common winterberry, and viburnum species. Outside the transmission line corridor, the wetland vegetation is dominated by a mix of trees and shrubs, most notably red maple, balsam fir, green ash, common winterberry, and speckled alder. Evidence of hydrology in the wetland includes portions that are seasonally flooded, saturated soils, water stained leaves, drift lines, buttressed and elevated roots, and drainage patterns. Soils in the wetland have a silt loam texture, and display a dark topsoil horizon with redoximorphic concentrations, underlain by a horizon with a depleted matrix. These soils meet indicator F3 of the Field Indicators Manual.

Wetland 167-01

Wetland 167-01 is a large PEM wetland located along the transmission line corridor in the Town of Whitefield. The wetland contains greater than 20,000 square feet of PEM and is contiguous with greater

than 20,000 square feet of POW and the wetland contains significant wildlife habitat (IWWH); therefore, the wetland is WOSS.

Wetland 167-01 is bisected on the western end by Coopers Road and extends southeast outside the transmission line corridor where the wetland turns to POW. A small portion along the northern edge of the wetland is PSS. The wetland shows signs of extensive beaver activity as well as impressive wildlife habitat. Dominant herbaceous vegetation includes woolgrass, Canary reed grass, rattlesnake mannagrass, sedge species, and patches of purple loosestrife. Shrub species include Labrador tea, steeplebush, and scattered speckled alder. The soil profile is a very dark 16 inch sapric organic layer which keys out to indicator A1 of the Field Indicators Manual. This wetland has a seasonally flooded hydroperiod. Signs of wetland hydrology include water marks and drainage patterns.

Wetland 169-02

Wetland 169-02 is a PSS wetland located within the transmission line corridor in the town of Whitefield. The wetland runs roughly southwest and is fed hydrologically by stream runoff. The wetland contains two streams, and one potential significant vernal pool and significant wildlife habitat identified as deer wintering area; therefore, the wetland is WOSS.

Dominant shrub vegetation in the wetland includes speckled alder, water hemlock, and elderberry. Herbaceous vegetation includes woolgrass, broad-leaved cat-tail, aster species, rattlesnake mannagrass, and smooth goldenrod. Seasonal saturation, water-stained leaves, surface scouring, and water marks are evident. The silt-loam textured soils were comprised of a thin Ap horizon and a depleted B horizon beginning 4 inches below the soil surface. The soils key to indicator F3 of the Field Indicators Manual.

Wetland 178-06

Wetland 178-06 is a PSS wetland, located in the town of Alna. Wetland 178-06 contains significant wildlife habitat (deer wintering area), thus the wetland is WOSS. In addition, the wetland within the transmission line corridor is a riparian wetland associated with Trout Brook, therefore; the wetland area within 25 feet of the brook is WOSS.

Dominant shrub vegetation includes speckled alder, meadowsweet, and steeplebush. Dominant herbaceous vegetation includes rattlesnake mannagrass, bluejoint grass, woolgrass, soft rush, and tussock sedge. The wetland is seasonally flooded and many overflow channels exist throughout the wetland created by surface water action caused by beaver activity. Indicators of hydrology include water-stained

leaves, silt deposition, watermarks, drift lines, surface scouring, and drainage patterns. Two inches of a sapric organic horizon overlay the mucky silt loam soil surface. The soil keys to indicators F1, F3, and F6of the Field Indicators Manual.

Wetland 188-17

Wetland 188-17 is a PEM/PSS wetland located adjacent to the Maine Yankee substation site in the town of Wiscasset. The wetland contains an intermittent stream. Additionally, the wetland is located within 250 feet of a coastal wetland; therefore, the wetland is WOSS.

Herbaceous vegetation is dominant within the wetland, with shrubs scattered throughout. Representative vegetation includes broad-leaved cattail, soft rush, sensitive fern, woolgrass, bulrush, and broom sedge, with meadowsweet shrubs scattered throughout the wetland. Soils are seasonally flooded, and drainage patterns are evident. The disturbed soil profile contains sandy loam down to refusal A depleted Bg horizon is present to four inches, underlain by a dark C. Both layers have prominent redox concentrations. The soil keys to indicator F6 of the Field Indicators Manual. The wetland is impounded by the Maine Yankee access road.

1.5 Delineation Results – Substations

The Fickett Road Substation, Merrill Road Converter Station, and West Forks and Moxie Gore Termination Stations sites, and the areas around them, were each surveyed for wetlands within the area of proposed development. Wetlands were identified at each site.

Upgrades and modifications are proposed for six substations: Larrabee Road Substation (Lewiston), Crowley's Substation (Lewiston), Surowiec Substation (Pownal), Raven Farm Substation (Cumberland), Coopers Mills Substation (Windsor), and Maine Yankee Substation (Wiscasset); no expansion of the footprint will occur and work will be limited to the area inside of the existing fence line for each site.

Non-WOSS wetlands were identified at the Merrill Road site. Wetlands (or portions thereof) were identified as WOSS at the proposed Merrill Road Converter Station site and Fickett Road substation site. For a detailed description of all characteristics that trigger WOSS designation, please see Section 1.3 Wetlands of Special Significance Determinations.

A summary of the wetlands identified within the substation sites, including identification number, and summary of respective classifications is provided in Attachment B-1 of this Application, located at the

end of this section. Detailed descriptions of each wetland identified at the substations are provided in the following subsections.

1.5.1 Merrill Road Converter Station

The Merrill Road Converter Station is proposed to be sited north of Merrill Road in Lewiston, Maine and will occupy approximately seven acres. A new, approximately 1.2-mile 345kV transmission line within an existing, partially developed 400-foot wide transmission line corridor (Section 200) will be required to connect the converter station with the Larrabee Road Substation.

Three wetlands were identified, delineated, and mapped within the Merrill Road Converter Station survey area (see Attachment A for Wetland and Stream Resource Maps). Two wetlands are PFO wetlands and one is PEM/PSS wetland (Table 6). These wetlands receive sustaining hydrology primarily from a high groundwater table or seepage and, in some cases, they are associated with small, ephemeral drainages. One small intermittent stream flows through the northeast corner of the survey area.

Table 6: Summary of Wetland Classes and Wetlands of Special Significance-

Merrill Road Converter Station						
Non-WOSS WOSS			Total			
PFO	PFO 1		2			
PEM/PSS 0		1	1			
Subtotal	1	2	3			

The following are representative descriptions of the wetlands encountered and mapped within the Merrill Road Converter Station survey area.

1.5.1.1 Representative Wetland Descriptions: Non-WOSS

PFO (Palustrine Forested Wetlands)

One PFO wetland that does not meet the definition of WOSS was identified on the Merrill Road Converter Station survey area (Table 6). This wetland is dominated by red maple, gray birch, balsam fir, and black ash. Common saplings include black ash and balsam fir. Shrubs such as winterberry are also present where the canopy opens. Herbaceous species common in PFO wetlands along the Merrill Road Converter survey area include cinnamon fern, fringed sedge and balsam fir seedlings. Pockets of sphagnum moss were also observed.

Soils and Hydrology in PFO Communities

Wetlands within the Merrill Road Converter Station survey area are generally characterized by soils with an organic surface horizon about eight inches thick with rock refusal below. Soil textures consist of fibric organic material where plant fibers are partially decomposed. These soils meet criteria A1, histosols, of the Field Indicators Manual. Soils were saturated at the time of inspections and surface water, and water stained leaves were observed.

Wetland hydroperiods are seasonally saturated, although seasonally flooded areas are also present. Wetlands appear to receive some hydrologic inputs from a high groundwater table and seepage. These wetlands receive runoff from adjacent uplands and are located on areas of flat terrain.

1.5.1.2 Representative Wetland Descriptions: WOSS

Within the Merrill Road Converter Station survey area, two wetlands were identified as WOSS. Portions of one wetland, 145-1, within the Merrill Road Converter Station survey area is WOSS because it is associated with an intermittent stream. A second wetland, 145-02, within the survey area is WOSS because it contains a PSVP (Table 6).

The following narratives provide specific information on vegetation, soils, and hydrology for the two wetlands identified within the Merrill Road Converter Station survey area that meet the criteria for designation as WOSS.

Wetland 145-01

Wetland 145-01 is located both within Segment 4 of the CMP transmission line corridor and within the adjacent Merrill Road Converter Station survey area in Lewiston, Maine. This PEM wetland with subcomponents of PSS wetland is large and consists of several fingers that extend east from the cleared CMP transmission line into the Merrill Road Converter Station survey area. Wetland 145-01 contains one intermittent stream located at the northeast corner of the Merrill Road Converter survey area. The stream emerges from a seep within the CMP transmission corridor and is about two feet wide at its widest point. It flows west into wetland 145-01 and continues north, off the survey area. Wetland area within 25 feet of the stream is WOSS.

Dominant species in the herbaceous stratum of the wetland include broad-leaved cat-tail, sensitive fern, Canada bluejoint, late goldenrod and cottongrass bulrush. Dominant shrub species within the smaller PSS wetland component include speckled alder, arrowwood and meadowsweet. Wetland 145-01 is a seasonally flooded and saturated wetland with several indicators of hydrology including 4 inches of standing water, surface scouring and drainage patterns. The soils observed in the wetland include a shallow organic horizon underlain by silt loam with a depleted matrix. This wetland meets indicator F3 of the Field Indicators Manual.

Wetland 145-02

Wetland 145-02 is a seasonally flooded to saturated PFO wetland with inclusions of shrub growth. It is located within the Merrill Road Converter Station survey area in the town of Lewiston. This wetland contains a PSVP; therefore, the wetland is WOSS. This natural pool had multiple rafts of wood frog egg masses within the deeper areas. Greater than 75 wood frog egg masses and greater than 25 spotted salamander egg masses were observed in this pool during a spring field visit. Four non-significant natural vernal pools were identified. In general, these natural vernal pools are shallow pools within wetlands and contained low numbers of spotted salamander egg masses and no wood frog egg masses. In addition, three depressions of anthropogenic origin were identified. These depressions are generally ruts within an existing wetland.

Dominant herbaceous vegetation in this wetland includes cinnamon fern, sensitive fern, fringed sedge, and tussock sedge, as well as vast areas of sphagnum moss cover. Balsam fir, red maple and gray birch saplings are common non-dominant shrubs. The canopy is dominated by red maple, northern white-cedar, black ash, gray birch, and balsam fir. Indicators of hydrology include isolated areas of surface water, water-stained leaves, drainage patterns, stunted or stressed plants, and microtopographic relief. The wetland is both seasonally flooded and saturated. Soils are comprised of deep, sapric organic material greater than 20 inches deep, which meet hydric criterion A1 of the Field Indicators Manual.

1.5.2 Fickett Road Substation

Fickett Road Substation is a proposed substation facility on approximately 6.12 acres adjacent to Fickett Road in Pownal.

One wetland was identified, delineated, and mapped within the Fickett Road Substation survey area (see Appendix A for Wetland and Stream Resource Maps). Wetland 161-16 is a PEM/PSS wetland that is WOSS as identified in Table 8 below. This wetland receives sustaining hydrology from a high groundwater table, seepage, surface runoff from adjacent uplands, and inputs from adjacent streams.

Table 7: Summary of Wetland Classes and Wetlands of Special Significance – Fickett Road Substation

	Non-WOSS	woss	Total	
PEM	0	1	0	
Subtotal	0	1	1	

The following is a description of wetland 161-16 encountered and mapped within the Fickett Road Substation survey area.

1.5.2.1 Representative Wetland Descriptions: Non-WOSS

No non-WOSS wetlands were identified within the Fickett Road Substation survey area (Table 7).

1.5.2.2 Representative Wetland Descriptions: WOSS

Within the Fickett Road Substation survey area, one wetland was identified as WOSS. A portion of wetland 161-16 within the Fickett Road Substation survey area is WOSS because it contains a river, stream or brook. Wetland 161-16 is a PEM wetland (Table 7).

The following narrative provides specific information on vegetation, soils, and hydrology for wetland 161-16 which meets the criteria for designation as WOSS.

Wetland 161-16

Wetland 161-16 is a PEM wetland located within the Fickett Road Substation survey area in the town of Pownal. A majority of the wetland is a mowed wet meadow wetland with a small sub-component of PSS. The wetland is associated with Runaround Brook (P-STR-161-3); therefore, wetland area within 25 feet of the brook is WOSS.

Dominant herbaceous vegetation includes dark-green bulrush, three-way sedge, broadleaf cattail, cottongrass bulrush, fringed sedge, shallow sedge, blunt spike rush, blue flag iris, and goldenrod species. Shrub and sapling species include meadowsweet, winterberry, speckled alder, and arrowwood. The wetland is generally saturated and indicators of hydrology include water-stained leaves, water-marks, and drainage patterns. Soils in the wetland are generally comprised of a fine-grained (silt loam) horizon with a depleted matrix underlying a thin organic or topsoil horizon. This soil meets indicator F3 of the Field Indicators Manual. This wetland is often mowed and has been ditched and plowed in the past.

Table 8: Glossary for WOSS and Non-WOSS

Acronym	Term
CH	Channel
DWA	Deer Wintering Area
Int	Intermittent
NVP	Natural Vernal Pool
Per	Perennial
PSVP	Potentially Significant Vernal Pool
SC	Special Concern
SVP	Significant Vernal Pool
T&E	Threatened & Endangered
Trib	Tributary
IWWH	Inland Waterfowl and Wading Bird Habitat

Table 9: NECEC Wetland Vegetation List

Common Name	Binomial Name
American elm	Ulmus americana
American mannagrass	Glyceria grandis
appressed bog clubmoss ⁴	Lycopodiella appressa ⁴
arrowhead species	Sagittaria sp.
arrow-leaved tearthumb	Persicaria sagittata Polygonum sagittatum ⁵
arrowwood	Viburnum dentatum var. lucidum
aster species	Aster spp.
avens species	Geum sp.
awned sedge ²	Carex atherodes ²
balsam fir	Abies balsamea
barnyard grass	Echinochloa crus-galli
harber pole sedge 1 beaked hazelnut	Scirpus microcarpus 5 Corylus cornuta
bedstraw species	Galium sp.
bentgrass species	Agrostis sp.
birch species	Betula spp.
black ash	Fraxinus nigra
black bulrush	Scirpus atrovirens
black chokeberry	Photinia melanocarpa
black gum	Nyssa sylvatica
black spruce	Picea mariana
black willow	Salix nigra
black-girdled wool-grass	Scirpus atrocinctus
bladder sedge ^I	Carex intumescens
blue vervain	Verbena hastata
blunt spike-rush	Eleocharis obtusa
boneset	Eupatorium perfoliatum
boneset species	Eupatorium sp.
box-elder	Acer negundo
bracken fern	Pteridium aquilinum var. latiusculum
bristly black currant	Ribes lacustre
broad-leaved cat-tail	Typha latifolia
bulrush species	Schoenoplectus sp.

bulrush species bunchberry Cornus canadensis bur oak Quercus macrocarpa bur-reed species¹ buttercup species Butteroup species Butteroup species Canada bluejoint Calamagrostis canadensis Canada bluejoint Canada mayflower Canada rush Choke cherry Crinnamon ferm Clammy azalea Columbia water-meal² Common blackberry Common buttercup Common buttercup Common buttercup Common elder Common elder Common att-topped goldenrod grass-leaved goldenrod grass-leaved goldenrod common injuiper Common water-hemlock Cotton-grass species Cornus particus Cover of the species Cover of the species Cornus particus Cotton-grass species Creeping sedge Cornus spp. Cornus canadensis Cornus canadensis Common putters Common delack control primares Common p	Common Name	Binomial Name
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bur-reed species Sparganium sp. buttercup species Ranunculus spp. buttonbush Cephalanthus occidentalis Canada bluejoint Calamagrostis canadensis Canada mayflower Maianthemum canadense Canada rush Juncus canadensis choke cherry Prunus virginiana cinnamon fern Osmunda cinnamomea clammy azalea Rhododendron viscosum Columbia water-meal Wolffia columbiana common arrowhead Sagittaria latifolia common blackberry Rubus allegheniensis common buckthorn Rhamnus cathartica common buttercup Ranunculus acris common elder Sambucus canadensis common evening-primrose Oenothera biennis common flat-topped goldenrod grass-leaved goldenrod Euthamia graminifolia common juniper Juniperus communis var. depressa common reed Phragmites communis common water-hemlock Cicuta maculata cotton-grass species Eriophorum spp. cow vetch Vicia cracca creeping bentgrass Agrostis stolonifera Agrostis alba creeping spike-rush Eleocharis palustris curly dock Rumex crispus dogwood species Cornus spp. dogwood species Cornus spp.	bunchberry	Cornus canadensis
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drooping sedge Carex crinita		
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Common Name	Binomial Name
eastern hemlock	Tsuga canadensis
eastern lined aster	Symphyotrichum lanceolatum
eastern white pine	Pinus strobus
Eaton's bur-marigold ²	Bidens eatonii ²
estuary bur-marigold ³	Bidens hyperborea ³
estuary monkeyflower ²	Mimulus ringens var. colpophilus ²
European alder-buckthorn	Frangula alnus Rhamnus frangula ⁵
evergreen wood fern	Dryopteris intermedia x triplodea
false hellebore	Veratrum viride
false nettle	Boehmeria cyclindrica
field-bindweed	Convolvulus arvensis
fireweed	Epilobium angustifolium
flat-topped white aster	Doellingeria umbellata Aster umbellatus⁵
fleabane species	Erigeron sp.
fowl mannagrass	Glyceria striata
fowl meadowgrass	Poa palustris
fox sedge	Carex vulpinoidea
foxtail species	Alopecurus sp.
fresh water cordgrass	Spartina pectinata
Georgia bulrush1, ⁴	Scirpus hattorianus ⁴
giant bur-reed	Sparganium eurycarpum
goldenrod species	Solidago spp.
goldthread	Coptis trifolia
gray birch	Betula populifolia
greater poverty rush1,4	Juncus anthelatus ⁴
green alder	Alnus viridis
green ash	Fraxinus pennsylvanica
hardstem bulrush	Scirpus acutus
highbush blueberry	Vaccinium corymbosum
highbush-cranberry	Viburnum opulus Viburnum trilobum ⁵
hobblebush	Viburnum lantanoides
honeysuckle species	Lonicera spp.
horsetail species	Equisetum spp.
inflated sedge	Carex vesicaria

Common Name	Binomial Name
interrupted fern	Osmunda claytoniana
Jack in the pulpit	Arisaema triphylllum
jewelweed	Impatiens capensis
jointweed	Polygonella articulata
Kentucky bluegrass	Poa pratensis
Labrador-tea	Rhododendron groenlandicum
lady fern	Athyrium filix-femina
lake bank sedge	Carex lacustris
larch	Larix laricina
large cranberry	Vaccinium macrocarpon
large yellow pond-lily ²	Nuphar advena ²
leatherleaf	Chamaedaphne calyculata
long sedge	Carex folliculata
long-beaked willow	Salix bebbiana
maleberry	Lyonia ligustrina
maple-leaved viburnum	Viburnum acerifolium
marsh bedstraw	Galium palustre
marsh bulrush ^{1,2}	Bolboschoenus novae-angliae ²
marsh fern	Thelypteris palustris var. pubescens
marsh horsetail	Equisetum palustre
marsh St. Johnswort	Triadenum virginicum
maish St. Johnswort	Hypericum virginicum ⁵
meadow spikemoss ²	Selaginella apoda ²
meadow-rue species	Thalictrum sp.
meadowsweet	Spiraea alba var. latifolia
milfoil species	Myriophyllum sp.
morrow's honeysuckle	Lonicera morrowii
mountain holly	Nemopanthus mucronatus
musclewood	Carpinus caroliniana
nannyberry	Virburnum lentago
narrow-leaved cat-tail	Typha angustifolia
needletip blue-eyed grass ^{1,4}	Sisyrinchium mucronatum ⁴
New England aster	Symphyotrichum novae-angliae
New York aster	Symphyotrichum novi-belgii
New York fern	Thelypteris noveboracensis
nodding beggar ticks	Bidens cernua
nodding sedge	Carex gynandra
northeastern mannagrass	Glyceria melicaria

Common Name	Binomial Name
northern blazing star ²	Liatris scariosa var. novae-angliae ²
northern blue flag	Iris versicolor
northern bog goldenrod	Solidago uliginosa
northern dewberry	Rubus flagellaris
northern red oak	Quercus rubra
northern swamp dogwood	Cornus racemosa
northern water-horehound	Lycopus uniflorus
northern white-cedar	Thuja occidentalis
old-field cinquefoil	Potentillia simplex
orchard grass	Dactylis glomerata
ostrich fern	Matteuccia struthiopteris var. pensylvanica
pale green orchid ²	Platanthera flava var. herbiola ²
Parker's pipewort ³	Eriocaulon parkerii³
pendulous bulrush ²	Scirpus pendulus ²
Pennsylvania smartweed	Persicaria pennsylvanica
pickerelweed	Pontederia cordata
pitcher plant	Sarracenia purpurea
pointed broom sedge	Carex scoparia
poison-ivy	Toxicodendron radicans
pondweed species	Potamogeton sp.
purple loosestrife	Lythrum salicaria
purple-stemmed aster	Symphyotrichum puniceum
pussy willow	Salix discolor
quaking aspen	Populus tremuloides
quillwort species	Isoetes sp.
raspberry species	Rubus sp.
rattlesnake mannagrass	Glyceria canadensis
red maple	Acer rubrum
red osier dogwood	Cornus sericea Cornus stolonifera⁵
red raspberry	Rubus idaeus
red spruce	Picea rubens
red-stemmed gentian ²	Gentiana rubricaulis²
redtop	Agrostis gigantea
reed canary grass	Phalaris arundinacea
rhodora	Rhododendron canadense
rice-cut grass	Leersia oryzoides
rough bedstraw	Galium asprellum

Common Name	Binomial Name
rough-stemmed goldenrod	Solidago rugosa
round-leaved eupatorium ²	Eupatorium rotundifolium var. ovatum ²
royal fern	Osmunda regalis var. spectabilis
rush species	Juncus spp.
sallow sedge	Carex lurida
saltmeadow cordgrass	Spartina patens
screwstem ²	Bartonia paniculata ²
seaside goldenrod	Solidago sempervirens
seaside plantain	Plantago maritima var. juncoides
sedge species	Carex flava, palacea
sedge species	Carex spp.
sensitive fern	Onoclea sensibilis
sessile-fruited arrowhead ²	Sagittaria rigida ²
sheep laurel	Kalmia angustifolia
silky dogwood	Cornus amomum
silky willow	Salix pellita
silverweed	Argentina anserina
skunk-cabbage	Symplocarpus foetidus
slender willow	Salix petiolaris
small reedgrass ³	Calamagrostis cinnoides ³
smooth aster	Symphyotrichum laeve
smooth goldenrod	Solidago gigantea
smooth hedge-nettle ⁴	Stachys tenuifolia hispida ⁴
smooth winterberry ³	Ilex laevigata ³
soft rush	Juncus effusus
softstem bulrush	Schoenoplectus tabernaemontanii
speckled alder	Alnus incana spp. rugosa
spike-rush species	Eleocharis sp.
spreading sedge ²	Carex laxiculmis ²
steeple-bush	Spiraea tomentosa
sugar maple	Acer saccharum
swamp candles	Lysimachia terrestris
swamp dewberry	Rubus hispidus
swamp milkweed	Asclepias incarnata
swamp rose	Rosa palustris
swamp saxifrage ³	Saxifraga pensylvanica ³
swamp white oak ²	Quercus bicolor ²

Common Name	Binomial Name
sweet gale	Myrica gale
tall goldenrod	Solidago altissima
tall meadow-rue	Thalictrum pubescens
tawny cotton-grass	Eriophorum virginicum
three-nerved joe-pye weed ⁴	Eupatorium dubium ⁴
three-seeded sedge	Carex trisperma
tidal arrowhead	Sagittaria calycina var. spongiosa
timothy	Phleum pratense
toothwort species	Cardamime sp.
tussock sedge	Carex stricta
Walter's sedge ¹	Carex striata
water avens	Geum rivale
water-parsnip	Sium suave
white ash	Fraxinus americana
white sweet-clover	Melilotus officinalis
white turtlehead	Chelone glabra
white willow	Salix alba
wild calla	Calla palustris
wild garlic ²	Allium canadense ²
wild rye species	Elymus sp.
wild sarsaparilla	Aralia nudicaulis
wild-raisin	Viburnum nudum var. cassinoides
willow herb species	Epilobium sp.
willow species	Salix spp.
winterberry	Ilex verticillata
witch-hazel	Hamamelis virginiana
wood fern species	Dryopteris sp.
woodland horsetail	Equisetum sylvaticum
wool-grass	Scirpus cyperinus
yellow birch	Betula alleghaniensis
yellow water-lily	Nuphar variegata

²- MNAP-listed S1 or S2 plant

³- MNAP-listed S3 plant

 $^{^4}$ - MNAP-listed SU plant or plant not listed by MNAP

^{5 -} synonym

1.5.3 West Forks and Moxie Gore Termination Stations

Wetlands adjacent to the HDD development areas were surveyed during the wetland field survey effort in 2015, consistent with the field survey methods described in Section 1.0 of this Report. Wetlands were also classified in the field using the USFWS classification system (Cowardin et al. 1979). Additionally, they were evaluated under the criteria for Wetland of Special Significance ("WOSS"). If a wetland did not meet this criteria, they were considered "Non-WOSS".

Two wetlands are located adjacent to the Moxie Gore Termination Station.

WET-49-01 is located approximately 65 feet west of the HDD entry point. WET-49-01 is classified as Palustrine Forested ("PFO"), characterized as permanently saturated and consisting of broad-leaved deciduous trees. This wetland was determined to be Non-WOSS. As a result of the HDD installation, forested wetland conversion will now be avoided in WET-49-01.

WET-49-02 is located approximately 220 feet east of the Moxie Gore Termination Station. It is classified as PFO and is considered Non-WOSS. Forested wetland conversion impacts as a result of overhead transmission line construction will remain unchanged in WET-49-02, and there will be no additional impacts to WET-49-02 as a result of the HDD installation and construction of the Moxie Gore Termination Station.

WET-48-03 is located approximately 230 feet north of the West Forks Termination Station. WET-48-03 is classified as a Palustrine Forested/Palustrine Emergent (PFO/PEM), characterized as saturated with areas dominated by trees and shrubs and areas of emergent marshes. This wetland was determined to be Non-WOSS. Forested wetland conversion impacts as a result of overhead transmission line construction will remain unchanged in WET-48-03, and there will be no additional impacts to WET-48-03 as a result of the HDD installation and construction of the West Forks Termination Station.

CMP conducted natural resource surveys in October 2018 along access roads that will be used for construction of the HDD development and to gain access to the termination stations for maintenance and/or emergency response after construction. The land management road that extends from Fish Pond Road to the transmission corridor is an existing gravel roadbed which will require improvement, likely some tree trimming, widening, and grading. The gravel road has two areas which were surveyed and are in the process of reverting back to wetland conditions, totaling 11,279 square feet. Improvement of the access road will result in permanent wetland fill in this degraded area and is calculated within the Compensation Plan (Section 9.0). Photographs are provided in Exhibit E of this Report.

Exhibit A: Resource Verification Protocol Correspondence

2017 Resource Delineation Protocol (including previously mapped resources)
Jim Boyle Telephone Conversations with Jay Clement, Mike Mullen and Philip De Maynardier
April 2017

For new project areas not previously mapped, complete paired-plot (one wetland, one upland) data forms when you encounter meaningful changes in vegetative cover types or meaningful changes in soil, e.g., red maple swamp (and associated lower vegetative strata) with mineral soil shifting to black spruce swamp with organic soil, or similar changes. This method should normally result in a data forms for every running mile or so of transmission line, on average. The burden is on the wetland scientist to insure data forms are representative of the types of wetlands delineated across the entire project. In the project narrative describing the field delineation, the wetland scientist should group the wetland types, describe how the work was done, document that data forms were completed for each wetland type. For example, "Of thirty wetlands, ten were red maple swamps, three were black spruce swamps, ten were alder shrub wetlands, etc." Data forms and representative photographs should be submitted with project applications.

For portions of the project where wetlands and vernal pools were previously mapped, we will obtain data sheets and shapefiles of those mapped resources. We will install the shapefiles in GPS units, and verify five wetlands per mile, and verify one full Corps data form per mile. If we find a discrepancy, we will document our new resource delineation with a data forms, and flag the resource boundary as we see it now. We might find areas that we delineate now that were not previously delineated, or we might find the reverse. In either case, we will document our work. We will hang a flag at each verified resource with the resource number written on the flag, GPS-locate the flag and take a photograph. The wetland scientist will note his or her name on the data sheet and the date of the field visit. We will not flag or GPS-locate resource boundaries if we agree with them.

Vernal Pools

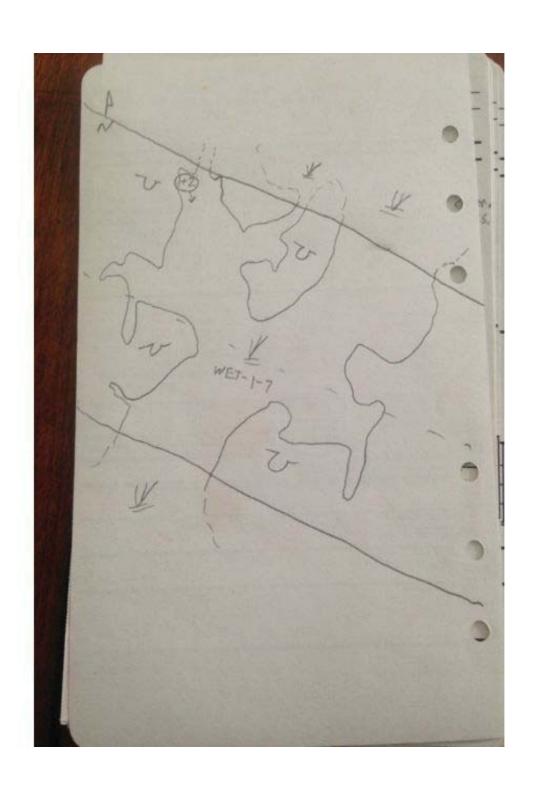
- If a VP was uploaded to IF&W GIS data layer, and if natural, no need to check.
- If a VP was uploaded to IF&W GIS data layer, but not natural, need to verify that the VP is not natural, and provide this documentation to IF&W and request removal, including a letter documenting removal, if approved.
- If a VP is observed but was not previously mapped, we will survey the VP following our normal full survey protocol.
- If a VP was previously mapped/surveyed (whether SVP or not) but not uploaded to IF&W data layer, we will field verify (spot check) the VP, including egg mass counts.
 - Maine SVP = meets state definition, has "significant" egg masses, etc.
 - Maine Non-SVP = meets state definition, doesn't have "significant" egg masses, etc.
 - Corps Priority Pool = In a wetland, not natural, has "significant" egg masses, etc.
 - Corps Pool = In a wetland, not natural, doesn't have "significant" egg masses, etc.
 - Spawning Area = Not in a wetland, not natural.

Exhibit B: Non-WOSS Data Form Examples

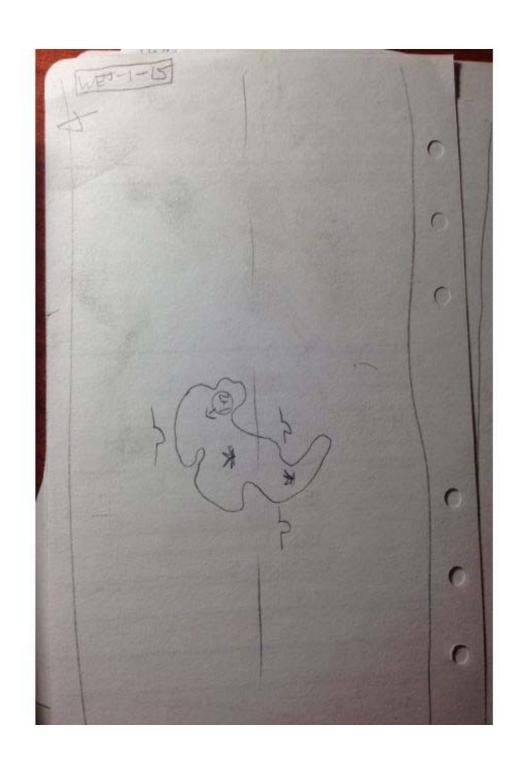
Non-WOSS Data Form Examples

Segment 1

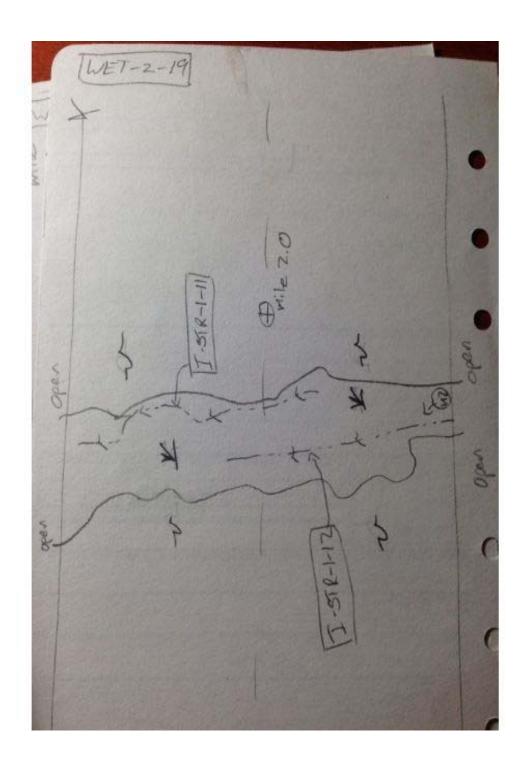
			MREI			
Observers:	JPB	WETLAN	Date:	ORM 2015 8/6/2015		
Town:	Beattie		Map:	1		
Wetland ID:	WET-1-7		(mile segment - wetla	and #)		
Stream/Wat	terbody Name:		Corps Plo	t: Yes	No X	
Dominant NW	Class:	PFO1E	Other NWI Cla	sses: PSS		
A: Fra	Tree a allegheniesis cer rubrum uxinus nigra	В	entative Wetland Ve S/S etula allegheniensis Salix sp Acer spicatum Acer rubrum Abies balsamea	egetation	Herb Carex crini Impatiens cape Osmunda clayte Solidago giga Rubus hispic Glyceria canad	ensis oniana ntea lus
	cators: arks t or Crust	X) (Approxim Sediment I Drift Depo	Deposits) (App X Water State Thin Mucl		·
Representative Wetland Soils	e	Depth	n Horizon	Color	Redox Features	Texture
X Min	eral	0-4"	A	10YR2/2	N/A	SL
Org	anic	4-9"	В	2.5Y6/1	10YR5/6	SL
Meets Army C		gional Supplemer	ntal Criteria ppings, dams/lodges,		X g masses, etc.)	
Invasive Speci Notes: WOSS: Yes Type	No _X	No X				
General Notes						
Photo # 2					SKETCH O	N BACK



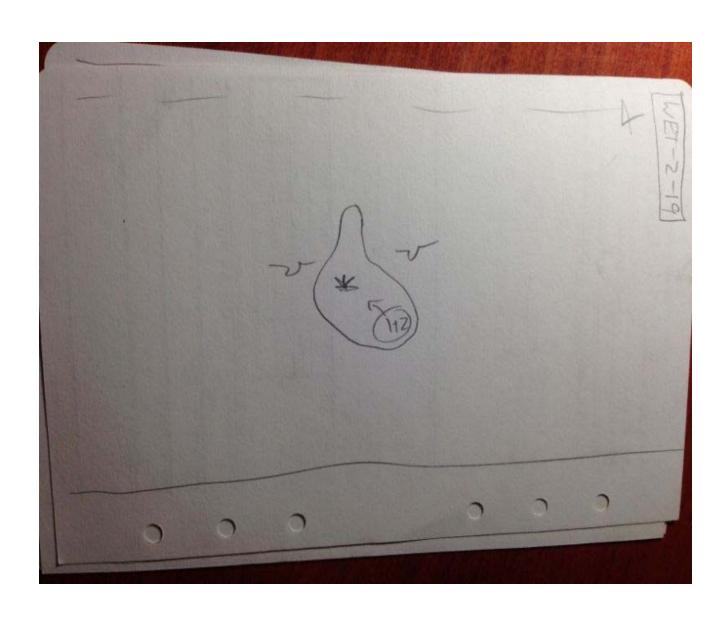
				MREI			
Observers:	SNH, LKH	WETLA	ND S	UMMARY FO	ORM 2015 8/19/2015		
	SINII, LIXII				8/17/2013		
Town:				Map:			
Wetland ID:	WET-1-15		(mile	e segment - wetla	nd #)		
Stream/Wat	erbody Name:			Corps Plot	: Yes	No X	
Dominant NWI	Class:	PSSO1E		Other NWI Class	ses:		
Acer	Tree saccharinum	Repr		tive Wetland Ver S/S saccharinum	getation	<u>Herb</u> Impatiens capa	ensis
Representative Surf (Approximate D	ace Water	(Approx		ı Water Table Depth		X Saturated proximate Depth)
Hydraulic Indic Water Ma X Algal Mat Other Observati	rks or Crust	Sedimen Drift De Hydroge	posits		X Thin Muc	ined Leaves k Surface Rhizospheres on	Living Roots
Representative Wetland Soils	•	Dep	th	Horizon	Color	Redox Features	Texture
X Mino	eral	5-()"	О	Black	N/A	Hemic
Orga	anic	0-9)"	A	10YR5/2	5YR4/6	
Other Observati Meets Army C	orps NE-NC re	gional Supplem				X	
Wildlife Obser Moose and bear		., tracks/trails, d	ropping	gs, dams/lodges, t	prowse, dens, eg	g masses, etc.)	
Invasive Specie Notes:	es: Yes	No X					
WOSS: Yes Type	No X						
General Notes: Series of small p		p slope. Acer sad	cc grow	ing on small upla	nd areas within.		
Photo # 2						SKETCH O	N BACK



				MREI			
Observers:	SNH, LKH	WETL	AND SU	UMMARY FO	ORM 2015 8/19/2015		
	D, 2				0/12/2011		
Town:				Map:			
Wetland ID:	WET-1-19		(mile	segment - wetla	nd #)		
Stream/Wat	erbody Name:			Corps Plo	:: Yes	No X	
Dominant NWI	Class:	PEM01E		Other NWI Clas	sses:		
	Tree saccharinum es balsamea	Rep		ive Wetland Ve S/S accharinum	getation 	<u>Herb</u> Glyceria striat Impatiens cape	
Surf (Approximate I Hydraulic Indic Water Ma X Algal Mat Other Observati	ace Water Depth ators: rks or Crust	X (Approx X Sedime Drift D	ximate Do	its	X Water Sta X Thin Muc	X Saturated proximate Depth sained Leaves ck Surface Rhizospheres on I) Living Roots
Representative Wetland Soils	•	De	epth	Horizon	Color	Redox Features	Texture
Mine	eral	6-	-0"	О	Black	N/A	Hemic
X Orga	anic	()-(0.5"	A	10YR6/1	7.5YR5/7	S
Other Observati Meets Army C Wildlife Obser Moose and bear	orps NE-NC re vation/Sign (e.g				prowse, dens, eg	X eg masses, etc.)	
Invasive Specie	_	s X No					
_	s foot	11 110	_				
WOSS: Yes Type Stream ad							
General Notes: I-STR-1-11 and l Likely equipmen	I-STR-1-12 runs	•			paldn veg. on d	rained hydric soil.	
Photo # 2						SKETCH OI	N BACK



			MREI			
01	CMILL IVII	WETLAND	SUMMARY FO			
Observers:	SNH, LKH		Date:	8/18/2015		
Town:			Map:			
Wetland ID:	WET-2-19	(n	nile segment - wetlar	nd #)		
Stream/Wat	erbody Name:		Corps Plot:	Yes	No X	
Dominant NWI	Class:	PEM01E	Other NWI Class	ses: PFC)1E	
		Represen	tative Wetland Veg	etation		
	<u>Tree</u>		<u>S/S</u>		<u>Herb</u>	
	saccharinum es balsamea	Vibui	rnum lantonoides		Impatiens cape Dryopteris carth	
7101	es oursumeu				Diyopteris curu	usiuiu
		l				
Representative	Wetland Hydr	ology				
	ace Water	X H	ich Water Toble		X Saturated	
			igh Water Table	(An	provimate Depth	١
Surf (Approximate I) (Approximate	-	(Ap)	proximate Depth)
(Approximate I	Depth ators:) (Approximate	e Depth posits	X Water Sta	ined Leaves)
(Approximate I Hydraulic Indic Water Ma	Depth ators: rks) (Approximate Sediment Deposit Deposit	e Depth posits s	X Water Sta	ined Leaves	,
(Approximate I	Depth ators: rks or Crust) (Approximate	e Depth posits s	X Water Sta	ined Leaves	,
(Approximate I Hydraulic Indic Water Ma Algal Mat Other Observati	Depth ators: rks or Crust ions:) (Approximate Sediment Deposit Drift Deposit Hydrogen Su	e Depth posits s Ifide Odor	X Water Sta Thin Muc Oxidized	ined Leaves k Surface Rhizospheres on	Living Roots
(Approximate I Hydraulic Indic Water Ma Algal Mat	Depth ators: rks or Crust ions:) (Approximate Sediment Deposit Deposit	e Depth posits s	X Water Sta	ined Leaves	,
(Approximate I Hydraulic Indic Water Ma Algal Mat Other Observati Representative Wetland Soils	Depth ators: rks or Crust ions:	Sediment Depth	e Depth posits s Iffide Odor Horizon	X Water Sta Thin Muc Oxidized Color	ined Leaves k Surface Rhizospheres on Redox Features	Living Roots Texture
(Approximate I Hydraulic Indic Water Ma Algal Mat Other Observati	Depth ators: rks or Crust ions:) (Approximate Sediment Deposit Drift Deposit Hydrogen Su	e Depth posits s Ifide Odor	X Water Sta Thin Muc Oxidized	ined Leaves k Surface Rhizospheres on	Living Roots
(Approximate I Hydraulic Indic Water Ma Algal Mat Other Observati Representative Wetland Soils	Depth ators: rks or Crust ions:	Sediment Depth	e Depth posits s Iffide Odor Horizon	X Water Sta Thin Muc Oxidized Color	ined Leaves k Surface Rhizospheres on Redox Features	Living Roots Texture
(Approximate I Hydraulic Indic Water Ma Algal Mat Other Observati Representative Wetland Soils Mine	Depth ators: rks or Crust ions:	Sediment Depth	e Depth posits s Iffide Odor Horizon	X Water Sta Thin Muc Oxidized Color	ined Leaves k Surface Rhizospheres on Redox Features	Living Roots Texture
(Approximate I Hydraulic Indic Water Ma Algal Mat Other Observati Representative Wetland Soils Mind X Orga	Depth ators: rks or Crust ions:	Sediment Depth	e Depth posits s Iffide Odor Horizon	X Water Sta Thin Muc Oxidized Color	ined Leaves k Surface Rhizospheres on Redox Features	Living Roots Texture
(Approximate I Hydraulic Indic Water Ma Algal Mat Other Observati Representative Wetland Soils Mine X Orga Other Observati	Depth ators: rks or Crust ions: eral anic	Sediment Depth	e Depth posits s Ifide Odor Horizon A	X Water Sta Thin Muc Oxidized Color Black	ined Leaves k Surface Rhizospheres on Redox Features	Living Roots Texture
(Approximate I Hydraulic Indic Water Ma Algal Mat Other Observati Representative Wetland Soils Mine X Orga Other Observati Meets Army C Wildlife Obser	Depth ators: rks or Crust ions: eral anic ions: orps NE-NC re	Sediment Deposit Hydrogen Su Depth 0-6"	e Depth posits s Iffide Odor Horizon A	X Water Sta Thin Muc Oxidized Color Black	ined Leaves k Surface Rhizospheres on Redox Features N/A	Living Roots Texture
(Approximate I Hydraulic Indic Water Ma Algal Mat Other Observati Representative Wetland Soils Mind X Orga Other Observati Meets Army C	Depth ators: rks or Crust ions: eral anic ions: orps NE-NC re	Sediment Deposit Hydrogen Su Depth 0-6"	e Depth posits s Iffide Odor Horizon A	X Water Sta Thin Muc Oxidized Color Black	ined Leaves k Surface Rhizospheres on Redox Features N/A	Living Roots Texture
(Approximate I Hydraulic Indic Water Ma Algal Mat Other Observati Representative Wetland Soils Mine X Orga Other Observati Meets Army C Wildlife Obser	Depth ators: rks or Crust ions: eral anic ions: orps NE-NC rej	Sediment Deposit Hydrogen Su Depth 0-6" gional Supplementa., tracks/trails, dropp	e Depth posits s Iffide Odor Horizon A	X Water Sta Thin Muc Oxidized Color Black	ined Leaves k Surface Rhizospheres on Redox Features N/A	Living Roots Texture
(Approximate I Hydraulic Indic Water Ma Algal Mat Other Observati Representative Wetland Soils Mind X Orga Other Observati Meets Army C Wildlife Obser Moose sign	Depth ators: rks or Crust ions: eral anic ions: orps NE-NC rej	Sediment Deposit Hydrogen Su Depth 0-6" gional Supplementa., tracks/trails, dropp	e Depth posits s Iffide Odor Horizon A	X Water Sta Thin Muc Oxidized Color Black	ined Leaves k Surface Rhizospheres on Redox Features N/A	Living Roots Texture
(Approximate I Hydraulic Indic Water Ma Algal Mat Other Observati Representative Wetland Soils Mine X Orga Other Observati Meets Army C Wildlife Obser Moose sign Invasive Specie Notes:	Depth ators: rks or Crust ions: eral anic ions: orps NE-NC reg vation/Sign (e.g	Sediment Deposit Hydrogen Su Depth 0-6" gional Supplementa., tracks/trails, dropp	e Depth posits s Iffide Odor Horizon A	X Water Sta Thin Muc Oxidized Color Black	ined Leaves k Surface Rhizospheres on Redox Features N/A	Living Roots Texture
(Approximate I Hydraulic Indic Water Ma Algal Mat Other Observati Representative Wetland Soils Mine X Orga Other Observati Meets Army C Wildlife Obser Moose sign Invasive Specie Notes:	Depth ators: rks or Crust ions: eral anic ions: orps NE-NC rej	Sediment Deposit Hydrogen Su Depth 0-6" gional Supplementa., tracks/trails, dropp	e Depth posits s Iffide Odor Horizon A	X Water Sta Thin Muc Oxidized Color Black	ined Leaves k Surface Rhizospheres on Redox Features N/A	Living Roots Texture
(Approximate I Hydraulic Indic Water Ma Algal Mat Other Observati Representative Wetland Soils Mine X Orga Other Observati Meets Army C Wildlife Obser Moose sign Invasive Specie Notes: WOSS: Yes Type	Depth ators: rks or Crust ions: eral anic ions: orps NE-NC regions/Sign (e.g.	Sediment Deposit Hydrogen Su Depth 0-6" gional Supplementa., tracks/trails, dropp	e Depth posits s Iffide Odor Horizon A	X Water Sta Thin Muc Oxidized Color Black	ined Leaves k Surface Rhizospheres on Redox Features N/A	Living Roots Texture
(Approximate I Hydraulic Indic Water Ma Algal Mat Other Observati Representative Wetland Soils Minu X Orga Other Observati Meets Army C Wildlife Obser Moose sign Invasive Specie Notes: WOSS: Yes	Depth ators: rks or Crust ions: eral anic ions: orps NE-NC regions/Sign (e.g.	Sediment Deposit Hydrogen Su Depth 0-6" gional Supplementa., tracks/trails, dropp	e Depth posits s Iffide Odor Horizon A	X Water Sta Thin Muc Oxidized Color Black	ined Leaves k Surface Rhizospheres on Redox Features N/A	Living Roots Texture
(Approximate I Hydraulic Indic Water Ma Algal Mat Other Observati Representative Wetland Soils Mine X Orga Other Observati Meets Army C Wildlife Obser Moose sign Invasive Specie Notes: WOSS: Yes Type	Depth ators: rks or Crust ions: eral anic ions: orps NE-NC regions/Sign (e.g.	Sediment Deposit Hydrogen Su Depth 0-6" gional Supplementa., tracks/trails, dropp	e Depth posits s Iffide Odor Horizon A	X Water Sta Thin Muc Oxidized Color Black	ined Leaves k Surface Rhizospheres on Redox Features N/A	Living Roots Texture
(Approximate I Hydraulic Indic Water Ma Algal Mat Other Observati Representative Wetland Soils Mine X Orga Other Observati Meets Army C Wildlife Obser Moose sign Invasive Specie Notes: WOSS: Yes Type	Depth ators: rks or Crust ions: eral anic ions: orps NE-NC regions/Sign (e.g.	Sediment Deposit Hydrogen Su Depth 0-6" gional Supplementa., tracks/trails, dropp	e Depth posits s Iffide Odor Horizon A	X Water Sta Thin Muc Oxidized Color Black	ined Leaves k Surface Rhizospheres on Redox Features N/A	Living Roots Texture
(Approximate I Hydraulic Indic Water Ma Algal Mat Other Observati Representative Wetland Soils Mine X Orga Other Observati Meets Army C Wildlife Obser Moose sign Invasive Specie Notes: WOSS: Yes Type	Depth ators: rks or Crust ions: eral anic ions: orps NE-NC regions/Sign (e.g.	Sediment Deposit Hydrogen Su Depth 0-6" gional Supplementa., tracks/trails, dropp	e Depth posits s Iffide Odor Horizon A	X Water Sta Thin Muc Oxidized Color Black	ined Leaves k Surface Rhizospheres on Redox Features N/A	Living Roots Texture



			MREI			
Observers:	HSW, LKH, SI		SUMMARY FO Date:	ORM 2015 7/15/2015		
		· · ·				
Town:	Appleton		Map:	15		
Wetland ID:	WET-15-4	(mi	le segment - wetla	nd #)		
Stream/Wat	terbody Name:		Corps Plot	: Yes	No X	
Dominant NWI	Class:	PUB	Other NWI Clas	ses:		
Abi	<u>Tree</u> es balsamea	Representa	tive Wetland Ve _f <u>S/S</u>	getation	<u>Herb</u>	
_	cators: urks t or Crust	X Hig		X Water Stai	Saturated roximate Depth ned Leaves & Surface Rhizospheres on I	
Representative Wetland Soils	e	Depth	Horizon	Color	Redox Features	Texture
X Min	eral	4-0"	0	Black	N/A	Org
Org	anic	0-4"	В	2.5Y4/2	N/A	LS
Meets Army C		isal at 8" gional Supplemental ,, tracks/trails, droppin			x masses, etc.)	
Invasive Speci Notes:	es: Yes	No X				
WOSS: Yes Type Ukn	No X own -PVP					
General Notes: PVP-15-4 Very little vege						
Photo # 3+4	facing DLIP E we	etland drain 1+2 PVP-	15 /		SKETCH O	N BACK



BOYLE

Routine Wetland Field Data Form

					-	
4	JE	my m	4	9.	0	5
				15		

Date: 7	19/14	Project Name: Len Gence
Job #:	488	Cowardin Class(es) & %: PFOIF
Observers:	HOW JAM	Photo(s) #:
Comments:	morph. adap	Hatimo - butrassed voots

Dominant Vegetation (by stratum):

Herbs	Herbs (cont.)	Shrubs/Saplings	Trees	Vines
rub Mis		bet all	pop trem	NA
Cin ten	\	pic rub	bot all	10/11
wilderwa	nt	ace pen	. ,	
ludy fer	'n	abi bal		
Star fla	el			
				de la raila

Wetland Hydrology Indicators:

Perm. Flooded Seasonally Flooded Saturated Saturated

(approx. depth: (approx. depth: *A1 - Surface *B5 – Iron *B15 – Marl deposits *C7 - Thin muck water deposits surface *A2 - High water B6 - Surface soil B16 – Moss trim lines C8 – Crayfish burrows table cracks *A3 - Saturation *B7 – Inundated *C1 - Hydrogen sulfide C9 – Saturation visible aerial imagery odor on aerial imagery *B1 – Water marks *B8 – Sparse veg. C2 - Dry-season water *D1 - Stunted or concave surface table stressed plants *B2 - Sediment *B9 - Water-*C3 - Oxidized *D2 – Geomorphic deposits stained leaves rhizospheres - living position root *B3 - Drift B₁₀ – Drainage *C4 – Presence of *D3 – Shallow aquitard deposits patterns reduced iron *B4 – Algal mat or *B13 – Aquatic *C6 – Recent iron *D4 – Microtopographic fauna reduction in tilled soils relief *Denotes Primary Indicator *D5-FAC-neutral test

Representative Hydric Soils:

Depth (in)	Horizon	Texture	Color	Redox. Features	Other
0-1)	loam	2,5 8/1	NA	797
1-4	2	10 cm	5Y 3/2		
4-8	2	Sil	54512		
	50.			-	

Hydric Soil Indicator & Reference:

Other Soil Comments:

Functions & Values: place an * next to primary f&v & circle all that apply

■Groundwater Recharge/Discharge ■Floodwater Alteration ■Fish & Shellfish Habitat

■Sed./Tox./Pathogen Retention ■Nutrient R/R/T ■Production Export ■Sediment/Shoreline

Stabilization Wildlife Habitat Recreation Educational/Scientific Value

■Uniqueness/Heritage ■Visual Quality/Aesthetics ■RTE Habitat

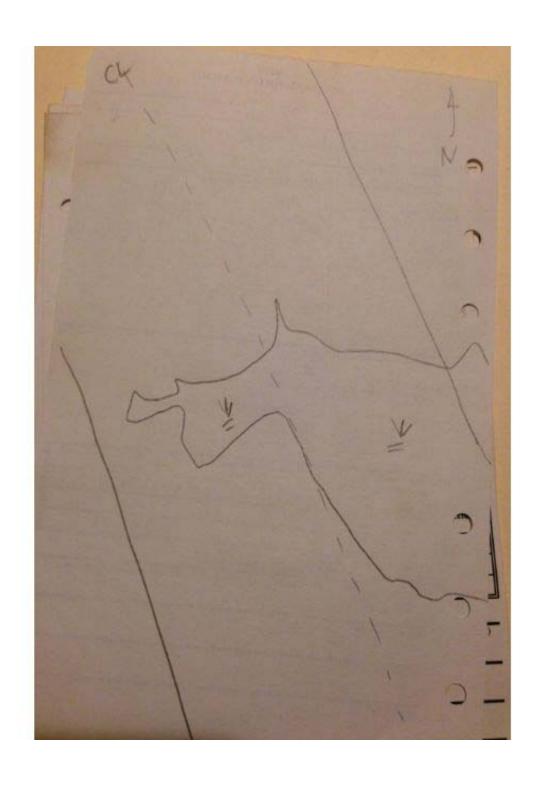
1 caracto, in. MGWHSW28

GPS Tech:	M	GPS File:	488KG	SMG 070	192014
Stream Data: Stream Name: Max Width: Bank Type:ve Substrate (>30%):	WeWeWax Depth: _ ertical grad mudg	etland:no w Per:_ dualunde gravelsand	vetlandv _Int: rcutoth lbedro	wetland: ner: ckpeat/n	nuck
Stream Name: Max Width: Bank Type:ve	We Max Depth: _ ertical erac	tland:no w Per:	reut oth	wetland:	
Substrate (>30%):	mud g	ravel sand	l bedro	ck neat/m	niek
Notes:					
SKETCH: wetland	(&) stream ID:				
(include: North Arr	ow, i noto # and	Location/Direc	cuon, Landn	narks, Flag Ioo	cations)
					\
			1	303	3
				43	
			IK		
			T = Allem		1
				AX B	628
					s Q
					bed.
	Total Control				

Non-WOSS
Data Form Examples

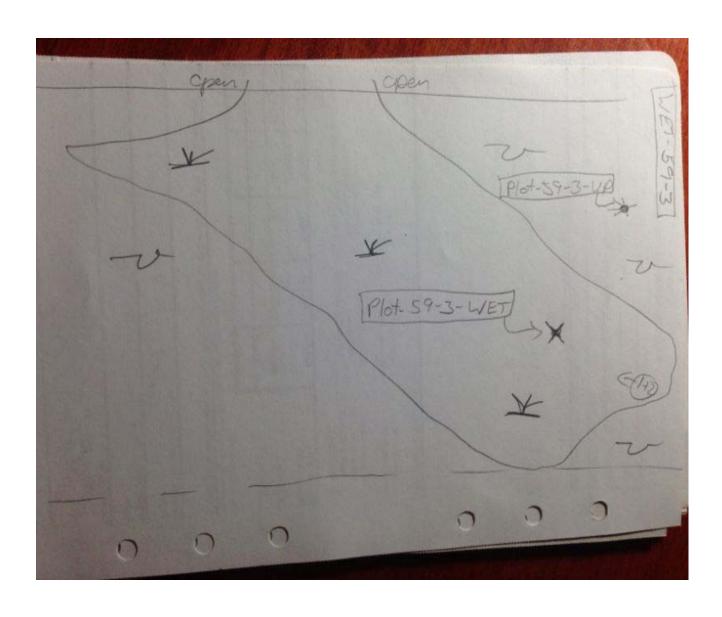
Segment 2

			MREI			
Observers:	JPB	WETLAND	SUMMARY FO	PRM 2015 8/17/2015		
Town:	West Forks			0) 1 // 2 2 2 2		
			Map:			
Wetland ID:	WET-55-2	(m	ile segment - wetlan	nd #)		
Stream/Wat	terbody Name:		Corps Plot	Yes	No X	
Dominant NWI	Class:	POW	Other NWI Class	ses: PFO	1/4E	
Thui	Tree		tative Wetland Veg	getation	Herb	4-11 ₀
	a occidentalis es balsamea		bies balsamea Acer rubrum		Thuja occident Chamaedaphne ca	lyculata
	alleghaniensis cer rubrum	•	raea tomentosa ndron groenlandicur	n	Onoclea sensit Equisetum s	
733	er rubrum		edaphne calyculata		Phalaris arundir	-
				I		
Representative	Wetland Hydro	logy				
	ace Water		gh Water Table		X Saturated	
(Approximate D	Oepth 0-10") (Approximate	Depth 0) (App	proximate Depth	0)
Hydraulic Indica		Sediment Depo			ned Leaves	
Water Ma Algal Mat		Drift Deposits Hydrogen Sulf		Thin Muck Oxidized F	Surface Rhizospheres on L	iving Roots
Other Observati					r	**6
Representative Wetland Soils		Depth	Horizon	Color	Redox Features	Texture
X Min	eral	0-6"	A	10YR5/1	7.5YR5/4	CL
Orga	anic					
0.5	inic		†			
Other Observati	ons: Rock refu	usal at 6"				
Meets Army Co	orps NE-NC reg	ional Supplemental C			X	
Wildlife Obser	vation/Sign (e.g.,	, tracks/trails, dropping	s, dams/lodges, bro	wse, dens, egg ma	asses, etc.)	
	**	• • • • • • • • • • • • • • • • • • • •				
Invasive Specie Notes:	es: Yes	No X				
WOSS: Yes Type	X No					
General Notes:						
! !						

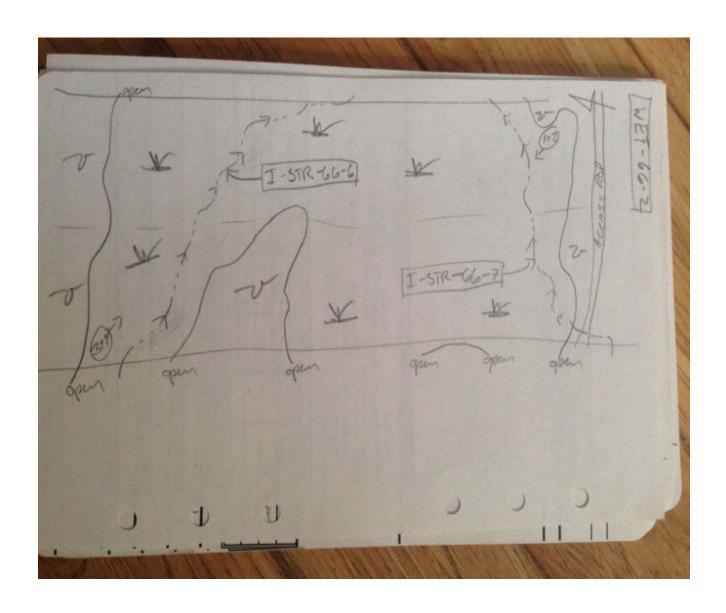


				MREI			
		WETLA	ND S	UMMARY F	ORM 201	5	
Observers:	JPB			Date:	8/25/2015		
Town:				Map:			
Wetland ID:	WET-57-1		(mile	e segment - wetla	nd #)		
Stream/Wate	erbody Name:			Corps Plo	t: Yes	No X	
Dominant NWI	Class:	PFO1/4E		Other NWI Class	sses:	PSS, PEM	
Δhie	Tree es balsamea	Repr		tive Wetland Ve S/S nus incana	getation		erb rundinacea
Betula Thuja	alleghaniensis a occidentalis xinus nigra		C	ornus sp es balsamea		Impatien	s capensis sensibilis
Representative	Wetland Hydro	ology					
X Surfa (Approximate D	ace Water Depth 2") (Approx		Water Table Depth 5")	X Satur (Approximate D	
Hydraulic Indica Water Mai Algal Mat Other Observati	rks or Crust	X Sedimen Drift De Hydroge	posits		Thin	er Stained Leaves Muck Surface ized Rhizosphere	es on Living Roots
Representative Wetland Soils	:	Dep	oth	Horizon	Color	Redor	
X Mine	eral	0	4"	A	10YR2	/1 N/A	MuSiL
Orga	nnic	-					
Other Observati	ions: Rock refu	sal at 4". Muck	y modif	ier.			
	orps NE-NC reg					X	~ \
Wildlife trail	Vation/Sign (c.g.	., tracks/trans, u	ropping	gs, dams/iodges,	orowse, uen	s, egg masses, et	c.)
Invasive Specie Notes:	es: Yes	No X					
WOSS: Yes Type Adjacent t							
General Notes: Contains P-STR-	57-1 and I-STR-5	7-2					
Photo # 2						SKFT	CH ON BACK

			MREI			
Observers:	CMILL IVII	WETLAND	SUMMARY F			
Observers:	SNH, LKH		Date:	8/27/2015		
Town:			Map:	53		
Wetland ID:	WET-59-3	(m	ile segment - wetla	and #)		
Stream/Wat	erbody Name:		Corps Plo	t: Yes X	No	
Dominant NWI	Class:	PEM01E	Other NWI Cla	sses: PFO ²	łE	
Pie	<u>Tree</u> cea rubens		ative Wetland Ve S/S Picea rubens		<u>Herb</u> Phalaris arundin nundastrum cinn	
_	eators: urks t or Crust		oosits) (App X Water Stain Thin Muck) Living Roots
Representative Wetland Soils	9	Depth	Horizon	Color	Redox Features	Texture
X Min	eral	0-4"	A	Gley1 4/10Y	7.5YR5/6	SCL
Org						
Olg.	anic		1			
Meets Army C Wildlife Obser	evation/Sign (e.g	gional Supplemental, tracks/trails, droppi		browse, dens, egg		
Invasive Specie Notes: Phal		X No				
WOSS: Yes Type	No X					
General Notes: Wetland enters		nd ends open on dow	rnhill side (E) of cle	eared corridor		
Photo # 2					SKETCH OI	N BACK



			MREI				
		WETLAN	D SUMMARY				
Observers:	SNH, LKH		Date:	9/25/2015	5		
Town:			Map:				_
Wetland ID:	WET-66-2		(mile segment - w	etland #)			
Stream/Wat	erbody Name:		Corps	Plot: Yes	No X		
Dominant NWI	Class:	PSS1E	Other NWI	Classes:	PF1E		
	Tree occidentalis es balsamea		entative Wetland <u>S/S</u> Thuja occidentalis Sirea alba Albus incana	Vegetation	June	Herb s arundinac cus effusus stis gigante	
_	ators: rks or Crust) (Approxim Sediment I Drift Depo	Deposits	X Wat	X Sa (Approximate er Stained Lear n Muck Surface dized Rhizosph	ves) ring Roots
Representative Wetland Soils	:	Depth	Horizon	Colo		dox tures	Texture
Mine	eral	0-8"	0	10YR	2/2 N	//A	Sap
O Orga	anic	RR					
	orps NE-NC reg	gional Supplemen , tracks/trails, dro	ntal Criteria ppings, dams/lodg	es, browse, de	X ns, egg masses,	, etc.)	
Invasive Specie Notes: Phal	aris	X No					
WOSS: Yes Type Stream ad							
General Notes:							
Photo # 4					Sk	CETCH ON E	ВАСК



Non-WOSS
Data Form Examples

Segment 3

Feature(s) ID: 98

on aerial imagery

BOYLE.2	•
ASSOCIATES 9	•

Date:

Routine Wetland Field Data Form WET- 75-06

Job#: 5	32 Cov	wardin Class(es)	&%: PL	16 15516
Observers: HSIN	CIT	Photo(s		7,00
Comments:				
Dominant Vegetat	ion (by stratum)):		···
Herbs He	erbs (cont.)	Shrubs/Saplings	Trees	Vines
carex 571	<	soi lat		
	0	in me		
1				
				~
Wetland Hydrolog	y Indicators:			•
Perm. Flooded	d ∑S eason	ally Flooded Sa	turated	Saturated
(approx. depth:	_) (approx. de			· · · · · · · · · · · · · · · · · · ·
*AI - Surface	*B5 – Iron	*B15 – Mari	deposits	*C7 – Thin muck
water	deposits	716 11		surface
*A2 - High water table	B6 – Surface soil cracks	B16 – Moss t	rim lines	C8 – Crayfish burrows
*A3 – Saturation	*B7 – Inundated	*C1 – Hydro	gen sulfide	C9 - Saturation visible

Project Name:

*B1 – Water marks	*B8 - Sparse veg.	C2 - Dry-season water	*D1 – Stunted or
	concave surface	table	stressed plants
*B2 – Sediment	*B9 - Water-	*C3 - Oxidized	*D2 - Geomorphic
deposits	stained leaves	rhizospheres - living root	position
*B3 – Drift deposits	B10 - Drainage patterns	*C4 - Presence of reduced iron	*D3 – Shallow aquitard
*B4 - Algal mat or	*B13 - Aquatic	*C6 - Recent iron	*D4 – Microtopographic
crust	fauna	reduction in tilled soils	relief
*Denotes Primary In	dicator		*D5-FAC-neutral test

odor

Representative Hydric Soils:

aerial imagery

Depth (in)	Horizon	Texture	Color	Redox. Features	Other
0-1]	Dam-	10471		
1-90	2	511	2343/2		
6-10	3	Sil	2.544/2	104K 4/5	
			17	7 /	

Hydric Soil Indicator & Reference:

Other Soil Comments:

RTE Habitat	n ■Wildlife Habitat ■Recreation Uniqueness/Heritage ■Visual Qualit	ty/Aesthetics
GPS Tech: (JY	GPS File:	
Stream Data: Stream Name: wetland: Max Width: Max De	Wetland:no wetland	
Bank Type:yertical/		
wetland:	Wetland:no wetland	
Bank Type: vertical	epth: / Per: Int:otl gradualundercutotl gravelsandbedro	her: ock
Notes: SKETCH: wetland (&) stream	m ID:	1. 19
ocations)	# and Location/Direction, Lands	marks, rtag
GB 411		
		. /

BOYL	EZ,	
ASSOCIATI	<	

Wetland Field Data Form 1.ET-77-01

ASSOCIATES	7	Routine we	etianu	riciu Data	aroim W	L 1.	11 01
Date: 5'	23.	17 1	Project	Name:	OMI		,
Job#: <	32	2	Cowar	din Class(e	s) & %:	FOLL	E/PUB
Observers: /	tow	DTE		Photo	v(e) #.		
Comments: V	D	DVON OF	Dogu	x 4n k	U KARPINT	44+	loaded
due	to	oither	600	wer in	roound N	ent	or other
Dominant Ve	getati	on (by strati	ım):		1		
Herbs	He	rbs (cont.)	Shri	ubs/Sapling	gs Trees		Vines
TICIOS	110	os (cont.)		ser	ace r	116	*
1		(h).		inc	ace !		1
4	4 4		abi bal				1
			act out				
			11	4			
	1		-				
Wetland Hyd	nalaa	. Indicatous					
wettand fryd	rolog			1			
Perm. Fl	ooded	Sea	sonall	Flooded/	Saturated	_	Saturated
(approx_depth) (approx	. depth	: 51)			
*At - Surface		*B5 – Iron		*B15 - Ma	arl deposits		Thin muck
water		deposits				surfac	
*A2 High wa	iter	B6 - Surface	soil	B16 – Mos	ss trim lines	C8 -	Crayfish burrows
*A3 - Saturation	n)	*B7 – Inunda	tod	*C1_Hvd	rogen sulfide	C0 _	Saturation visible
- Saturation		aerial imager		odor	nogen sunide		rial imagery
*B1 - Water m	arks	*B8 – Sparse			season water		- Stunted or
		concave surfa		table			ed plants
*B2 - Sedimer	it	*B9 - Water-		*C3 - Oxi	dized	*D2 -	- Geomorphic
deposits		stained leaves		rhizospher	es - living	positi	on
*D2 D=:0	_	D10 Dusing		root		*D2	Challan and
*B3 – Drift deposits		B10 – Draina patterns	ge	*C4 - Pres		*D3 -	- Shallow aquitard
*B4 – Algal m	at or	*B13 - Aquat	tic	*C6 - Rec		*D4 -	- Microtopographic
crust	ut OI	fauna	tic	TAME AND THE REST	n tilled soils	relief	
*Denotes Prim	ary In	dicator					FAC-neutral test
Representativ	e Hy	dric Soils:					
	Horizo			Color .	Redox. Featu	ires	Other
0-4	/	SoL	11	YR 3/2	_		_
4-8	2	1.5	2	5 yr 4/2	254 51	1	_
				1	1 -1		
							Tary Asign
Hydric Soil In	dicato	r & Reference	e:				
Other Soil Cor	nmen	ts:		Land	1.0 01		call
		16		produce	en ou	a	avia
500 Als	=H	SICAL	en	Ting)	T Pin	100	COVID I OF FLORE
186 11	(1)	01 (10		41).	T' LON	MO	C. I CANGE

Functions & Values: place an * next to primary f&v & circle all that apply ■ Groundwater Recharge (Discharge ■ Floodwater Alteration ■ Fish & Shellfish Habitat ■ Sed./Tox./Pathogen Retention ■ Nutrient R/R/T ■ Production Export ■ Sediment/Shoreline Stabilization ■ Wildlife Habitat ■ Recreation ■Educational/Scientific Value ■Uniqueness/Heritage ■Visual Quality/Aesthetics ■RTE Habitat **GPS File:** GPS Tech: Stream Data: Wetland: no wetland Stream Name: wetland: Max Depth: Per: Int: Max Width: gradual undercut other: vertical Bank Type: mud Substrate (>30%): gravel sand bedrock peat/muck Stream Name: Wetland no wetland wetland: Max Depth: Per: Int: Max Width: vertical ____ gradual undercut Bank Type: Substrate (>30%): mud gravel sand bedrock peat/muck Notes: SKETCH: wetland (&) stream ID: (include: North Arrow, Photo # and Location/Direction, Landmarks, Flag locations)

Feature	(8)	ID
I cutuit		

	1	-
4	10	
Δ		

ASSOCIATES		RI	11	11	E	4	,
ASSOCIATES		ASS	or	LA	L	4	,
		1133	CAC.	.1/\	1.5	/	

Routine Wetland Field Data Form WET - 78 - 03

Date: 5.23.17	Project Name: Q W
Job#: 532	Cowardin Class(es) & %:
Observers: HSW CJF	Photo(s) #:
Comments:	

Dominant Vegetation (by stratum):

Herbs	Herbs (cont.)	Shrubs/Saplings	Trees	Vines
Watercr	e\$S	CA		
mid		(/)	1X	
ono sen	0	4	0	
galinn				
Tubah				
)				

Wetland Hydrology Indicators:

Perm. Flooded	d Seasonal) (approx. dept	ly Flooded/Saturated	Saturated
*A1 - Surface water	*B5 – Iron deposits	*B15 - Marl deposits	*C7 – Thin muck surface
*A2 - High water table	B6 – Surface soil cracks	B16 – Moss trim lines	C8 – Crayfish burrows
*A3 - Saturation	*B7 – Inundated aerial imagery	*C1 – Hydrogen sulfide odor	C9 – Saturation visible on aerial imagery
*B1 - Water marks	*B8 – Sparse veg. concave surface	C2 – Dry-season water table	*D1 – Stunted or stressed plants
*B2 – Sediment deposits	*B9 - Water- stained leaves	*C3 – Oxidized rhizospheres - living root	*D2 – Geomorphic position
*B3 – Drift deposits	B10 - Drainage patterns	*C4 – Presence of reduced iron	*D3 – Shallow aquitard
*B4 – Algal mat or crust	*B13 – Aquatic fauna	*C6 – Recent iron reduction in tilled soils	*D4 – Microtopographic relief
*Denotes Primary In	dicator		*D5-FAC-neutral test

Representative Hydric Soils:

2-0 1 0xg 25434 0-7 2 LS 25454 7-16 3 15 2574/2 104R 9/J
2-7 2 L8 25/3/1 7-16 3 15 25/4/2 IONR 9/J
1-16 3 1.5 2.574/2 10NK 9/1

Hydric Soil Indicator & Reference: Other Soil Comments:

GPS Tech:	(JF	GPS File:		
Stream Data: Stream Name: wetland:		Wetland:no	wetland	
Max Width:	Max Dept vertical	gradual und	Int:other ercutother ndbedrock	:
Stream Name: wetland:		Wetland:no	wetland	
Max Width: Bank Type:	Max Dept vertical mud	h: Per:_ gradualund gravelsar	ercutother	:
Notes:				
SKETCH: we	etland (&) stream	ID:		· · · · · · · · · · · · · · · · · · ·
(include: North locations)	h Arrow, Photo #	and Location/Dir	ection, Landma	rks, Flag
4	F2 (18 st	$\frac{1}{2}$		
	78.	03		
1				1

Wass-Stream

Feature(s) ID:

Routine Wetland Field Data Form WET-81-0

Date: 5.29.17	Project Name: QWII
Job#: 532	Cowardin Class(es) & %: PPO YYE
Observers: HSW CJF	Photo(s) #:
Comments: 105gd - S	elective.

Dominant Vegetation (by stratum):

Herbs	Herbs (cont.)	Shrubs/Saplings	Trees	Vines
TIP lat		abi bal	ra nia	X
ond sen		Soi lat	abi bal	
car lur		vac cor	bet POD	4
imp cap		ulm ame	4 ,	
osth cm		fra hig		
tia cor		bef pop		

Wetland Hydrology Indicators:

(approx, depth:) (approx. dept	ly Flooded/Saturated	Saturated
A1 - Surface	*B5 – Iron deposits	*B15 – Marl deposits	*C7 – Thin muck surface
A2 – High water table	B6 – Surface soil cracks	B16 – Moss trim lines	C8 – Crayfish burrows
A3 – Saturation	*B7 – Inundated aerial imagery	*C1 – Hydrogen sulfide odor	C9 – Saturation visible on aerial imagery
*B1 – Water marks	*B8 – Sparse veg. concave surface	C2 – Dry-season water table	*D1 – Stunted or stressed plants
*B2 – Sediment deposits	*B9 - Water- stained leaves	*C3 – Oxidized rhizospheres - living root	*D2 – Geomorphic position
*B3 – Drift deposits	B10 – Drainage patterns	*C4 – Presence of reduced iron	*D3 – Shallow aquitard
*B4 - Algal mat or crust	*B13 – Aquatic fauna	*C6 – Recent iron reduction in tilled soils	*D4 – Microtopographic relief
*Denotes Primary Ir	ndicator		*D5-FAC-neutral test

Representative Hydric Soils:

2-0 0 org blk -	-
D-7 A Duling with min 41	
U & I I I I I I I I I I I I I I I I I I	
2-6 B VIST 25/5/2 10/R /4	10%

Hydric Soil Indicator & Reference:

Other Soil Comments:

F6 Wat'I Ind

Eunotiana (V.)
Functions & Values: place an * next to primary f&v & circle all that apply Groundwater Recharge Discharge Floodwater Alteration Fish & Shellfish Habitat Sed./Tox./Pathogen Retention Nutrient R/R/T—Production Export Sediment/Shoreline Stabilization Wildlife Habitat Recreation Educational/Scientific Value Uniqueness/Heritage Visual Quality/Aesthetics RTE Habitat
GPS Tech: GPS File:
Stream Data: Stream Name: \[- STR-92 - \] Wetland:no wetland \[\subseteq wetland: \[92 - 2 \] Max Width: Max Depth: Per: Int: \[\subseteq \] Bank Type: vertical gradual \[\subseteq undercut other: \] Substrate (>30%): \[\subseteq mud gravel sand bedrock \[\subseteq TDCK \] peat/muck
Stream Name: -STR-91
Notes:
SKETCH: wetland (&) stream ID: (include: North Arrow, Photo # and Location/Direction, Landmarks, Flag locations)
921 (1-STR-92-1

Feature(s) ID: 90-5

D	OV	1 5	4
B	OY	LE.	ے
AS	SOCI	ATES	"

Routine Wetland Field Data Form

WET-83-05

Date: 5.18 · 17	Project Name: QM	
fob#: 53 2	Cowardin Class(es) & %:	PFO4E/50%) PSS/50%)
Observers: H8W DHP	Photo(s) #:	
Comments:		

Dominant Vegetation (by stratum):

Herbs	Herbs (cont.)	Shrubs/Saplings	Trees	Vines
ono sen		spi lat	asi bal	
white Haves		soi tom	ace No	X
soi lat		abi bal		
Sphas.		pop bal		, ,
mia ran		1-1		

Wetland Hydrology Indicators:

Perm. Floode	d Seasonal	ly Flooded/Saturated	Saturated
(approx. depth:) (approx. dept	h:) free !	water in DIT
*A1 Surface water	*B5 – Iron deposits	*B15 – Marl deposits	*C7 – Thin muck surface
*A2 High water table	B6 – Surface soil cracks	B16 – Moss trim lines	C8 – Crayfish burrows
A3 - Saturation	*B7 – Inundated aerial imagery	*C1 – Hydrogen sulfide odor	C9 – Saturation visible on aerial imagery
*B1 – Water marks	*B8 - Sparse veg. concave surface	C2 – Dry-season water table	*D1 – Stunted or stressed plants
*B2 – Sediment deposits	*B9 Water- stained leaves	*C3 – Oxidized rhizospheres - living root	*D2 – Geomorphic position
*B3 – Drift deposits	B10 – Drainage patterns	*C4 – Presence of reduced iron	*D3 – Shallow aquitard
*B4 – Algal mat or crust	*B13 – Aquatic fauna	*C6 – Recent iron reduction in tilled soils	*D4 – Microtopographic relief
*Denotes Primary In	dicator		*D5-FAC-neutral test

Representative Hydric Soils:

Depth (in)	Horizon	Texture	Color	Redox. Features	Other
0-2	1	1 pann	6111		700
2-6	2	51/	104R 3/2	10 VR 4/4/5	10
6-12	3	Sil	254412	104R 4/4 20	9,,
	,		1, 1		
1					

Hydric Soil Indicator & Reference:

Other Soil Comments:

	Functions & Values: place an * next to primary f&v & circle all that apply Groundwater Recharge Discharge Floodwater Alteration Fish & Shellfish Habitat Sed./Tox./Pathogen Retention Nutrient R/R/T Production Export Sediment/Shoreline Stabilization Wildlife Habitat Recreation
	■Educational/Scientific Value ■Uniqueness/Heritage ■Visual Quality/Aesthetics ■RTE Habitat
	GPS Tech: DWP GPS File:
	Stream Data: Stream Name: Wetland: no wetland wetland:
	Max Width:Max Depth:Per:Int:other: Bank Type:verticalgradfalundercutother: Substrate (>30%):mudgravelsandbedrockpeat/muck
	Stream Name: Wetland: no wetland wetland:
•	Max Width: Max Depth: Per: Int: Bank Type: vertical gradual undercut other: Substrate (>30%): mud gravel sand bedrock peat/muck
	Notes: SKETCH: wetland (&) stream ID:
	(include: North Arrow, Photo # and Location/Direction, Landmarks, Flag locations)
	$A \setminus 3$
	+ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$
	3 PP -5 T
•	4 PP 90-5
,	7 PP 90-5



BOYLI	3	Routine W	etland	l Field Da	ıta F	, 2	ure(s)	ID: -83-15
Date:			Projec	t Name:	_			
Job #:			Cowardin Class(es) & %: P55 1E					
Observers:			Covida		to(s)		001	Le
Comments:	W	hus bee	n M		_		ave	y Eg uipmen
Dominant V	Jagatatic	n (hy strat			/		/	
Herbs		os (cont.)		ubs/Saplir	nac	Trees		Vines
Rub Dub		-	SIII	to w	igs	TICCS		VIIICS
		1 pal	PP					
Osmel-		the	Alv	1 Inc	_		. 6	
Ono sen		nt eff						
But gu	20		+				-	+
(approx. dep	Flooded th:	Sea (approx	sonall)		-	Saturated
*A1 - Surfac	9	*B5 – Iron		*B15 - N	1arl d	leposits	*C7	- Thin muck
water		deposits					surfa	••
*A2 - High		B6 – Surface	soil	B16 - Mo	oss tr	im lines	C8 -	Crayfish burrows
*A3 – Satura		cracks *B7 – Inunda	4	*01 11-	Jane	16.1.		0.4
A3 – Satura		aerial imager		odor	drog	en sulfide		Saturation visible rial imagery
*B1 – Water		*B8 – Sparse		C2 – Dry	canc	on water		- Stunted or
Di Water		concave surfa		table	-scas	on water		sed plants
*B2 - Sedim		*B9 - Water-		*C3 - Ox	idize	d		- Geomorphic
deposits		stained leaves	3		rhizospheres - living		position	
*B3 – Drift		B10 – Draina	ge	*C4 – Pre	ecenc	e of	*D2	- Shallow aguitard
deposits		patterns	50	reduced in		COI	D3	- Sharrow aquitaru
*B4 – Algal		*B13 - Aquat	tic	*C6 - Re		iron	*D4	- Microtopographic
crust		fauna		reduction	in til	led soils	relief	
*Denotes Pr	imary Indi	cator					*D5	-FAC-neutral test
Representat	ive Hvd	ric Soils:						
Depth (in)	Horizon			Color	Rec	lox. Featu	res	Other
0-4	A	SIL	_	YR 3/2	4	- 1 vatu		#
4-16+	В	SiL	5		10	YR 5/6	cm	4%. Gravell

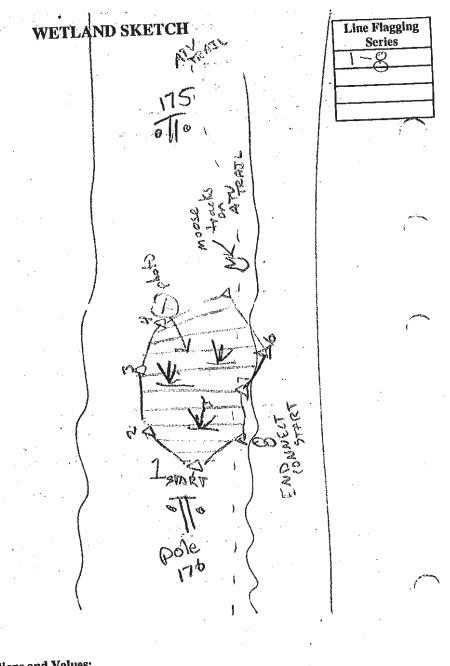
Hydric Soil Indicator & Reference: Other Soil Comments:

San Hayden 5/11/17 WET-88-05 Veg, soil, trydre good. Added long & cretion to N boundary, Area trighty impacted by equipment/ATV Ruts. S. H. Maine Power Reliability Project Observers: SEK SES FEL Date: 10/3/07Town: ALANSON GOD EMBDEN Series: 1 - 8 EMBDEN Series: Segment #: 12 CMP Section #: 63 CMP Pole #: 1762 Wetland ID #: Stream/Waterbody ID: Corps plot :__ Dominant NWI Class: PEM (90%) Other NWI Classes: P<<パの次 Representative Wetland Vegetation (by Strata): sensitive fern Spiraca lat. (x) willow Sp. tearthing woolgram (X) Rubus hishops while bonest swamp condus Flatton aut. Marsh fern Representative Wetland Hydrology Permanently Flooded Seasonally Flooded Saturated (approximate depth -(approximate depth -Hydrologic Indicators: Silt Deposition Water-Stained Leaves _ Water Marks __ Drift Lines Surface Scouring (15 **Drainage Patterns** Buttressed Trees _____ Elevated Roots Other Observations: Representative Depth Horizon Color Redox Texture Wetland Solls: **Peatures** Mineral love 312 5:14 lugs Organic -11 Bur Other Observations: Somewhat Meets NEIWPCC (2004) Criteria Grandl, Stream # 1 Data: Width (Bank-Bank): Depth @ Center: __ Intermittent Bank Configuration: __ Undercut ____ Vertical Gradual Channel Substrate: ___Peat-Muck ___Silt-Mud ___Sand ___Gravel/Cobble ___Boulder __ Bedrock Stream # 2 Data __ Depth @ Center: ____ Vertical Width (Bank-Bank): _ Intermittent_ Bank Configuration: ___Undercut __ Gradual Peat-Muck __Silt-Mud __Sand __Gravel/Cobble __Boulder Channel Substrate: _ Wildlife Observations/Sign (e.g., tracks/trails, droppings, dams/lodges, browse, dens, egg masses, potential VP): MOSE Drowde (willow) Notes: mounds included (my sunted form) □Cedar Swamp OWetland of Special Significance

Photo # 1 7 4

	WETT	wer Relia	IADV EAD	RAI	Team E
Observers: SEK S Town: NAW	My LKC	Z 600	Date:	101310	<u> </u>
Sogment # 15	SON GAU	EMBUZ	Series:	- 3	=======================================
Segment # : 12 (Stream/Waterbody ID:	LIVIP Section #:	05 CN			
	W.C (5)	20 60 24		Corps plot	Yes_X_No
				يتبدين يبسبه بيوسطانا فالمتاكاة	sses: P55 (30)
lala	Representative				
atomic to the state of the stat	a elia 1	Faco		Shrub spiraca willow	•
tearthanb .	CANTIL	1		Source	lat. (x)
Woolgran (X)	Kubus hish	Alp.			5 A
White honest	swamp car	ndles		MOTHER)p
tearthanh S Woolgram (X) White bonest Flattop aster	noush te	Sav		*,	
	Represe	ntative Wetla	nd Hydrolog	у	
Permanently F	looded	Seas	onally Floode	d	Saturated
(approximate depth -)	(approximate	e depth -	")	Dutantico
				•	
Hydrologic Indicato	rs:Sil	t Deposition		, Water-Stain	ed Leaves
Water	Marks	Drift L	ines	Surface Sc	ouring 人式
Other Observations:	Patterns		Buttressed Tr	ees Eleva	ted Roots
Outer Observations.	50 047				19
Representative	Depth	Horizon	Color	Redox	Texture
Wetland Soils:				Features	
Mineral	0-6	14	1045312		Silt lugar
/Organic	6-11	Bor.	10y1 512		10 11
	11-18+	- Fig	1041 6/1	104 516	5:14, Obylow
	111111111111111111111111111111111111111				
Othor Observations.					<u></u>
				Somewhat	Carrior,
Meets NEIWPCC (2004)				Somewhat	Copror,
Meets NEIWPCC (2004) Stream # 1 Data:	Criteria M	Center:	Peren.		
Meets NEIWPCC (2004) Stream # 1 Data: Width (Bank-Bank):	Criteria D	Center:Ve	Peren.		
Meets NEIWPCC (2004) Stream # 1 Data: Width (Bank-Bank): Bank Configuration:	Criteria D	Ve	rtical	Intermit	ttent
Meets NEIWPCC (2004) Stream # 1 Data: Width (Bank-Bank): Bank Configuration: Channel Substrate:Pea	Criteria D	t-MudSa	rtical ndGrave	Intermit Gradual l/CobbleBo	ttent
Meets NEIWPCC (2004) Stream # 1 Data: Width (Bank-Bank): Bank Configuration: Channel Substrate:Pea	Criteria AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	t-MudSa Bedroo	rtical ndGrave :k	Intermit Gradual 1/CobbleBo	itent
Meets NEIWPCC (2004) Stream # 1 Data: Width (Bank-Bank): Bank Configuration: Channel Substrate:Pea Stream # 2 Data Width (Bank-Bank):	Criteria Depth @ Undercut t-MuckSil	t-MudSa Bedroo	rtical ndGrave :k Peren.	Intermit Gradual l/CobbleBo	itent
Meets NEIWPCC (2004) Stream # 1 Data: Width (Bank-Bank): Bank Configuration: Channel Substrate: Pea Stream # 2 Data Width (Bank-Bank): Bank Configuration:	Criteria Depth @	Ver Sa Bedroo Center: Ver	rtical ndGrave k Peren. rtical	Intermit Gradual l/CobbleBo Intermit Gradual	itent ulder itent
Meets NEIWPCC (2004) Stream # 1 Data: Width (Bank-Bank): Bank Configuration: Channel Substrate: Pea Stream # 2 Data Width (Bank-Bank): Bank Configuration:	Criteria Depth @	Ver t-MudSa Bedroo Center: Ver t-MudSa	rtical ndGrave :k Peren. rtical ndGrave	Intermit Gradual l/CobbleBo Intermit Gradual	itent ulder itent
Stream # 2 Data Width (Bank-Bank): Bank Configuration: Channel Substrate:Pea	Criteria Depth @ Depth @ Undercut t-MuckSilDepth @ Undercut t-MuckSil	t-MudSa Bedroo Center: Ver t-MudSa Bedroo	ntical ndGrave ck Peren. rtical ndGrave ck	Intermit Gradual 1/CobbleBo Intermit Gradual 1/CobbleBo	itent ulder itent ulder
Meets NEIWPCC (2004) Stream # 1 Data: Width (Bank-Bank): Bank Configuration: Channel Substrate: Pea Stream # 2 Data Width (Bank-Bank): Bank Configuration: Channel Substrate: Pea Wildlife Observations/Sig	Criteria Depth @ Undercut Depth @ Undercut Depth @ Undercut HuckSil	t-MudSa Bedroc Center: Ver t-MudSa Bedroc rails, dropping	ntical ndGrave ck Peren. rtical ndGrave ck gs, dams/lodge	Intermit Gradual 1/CobbleBo Intermit Gradual 1/CobbleBo	itent ulder itent ulder
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Meets NEIWPCC (2004) Stream # 1 Data: Width (Bank-Bank): Bank Configuration: Channel Substrate: Pea Stream # 2 Data Width (Bank-Bank): Bank Configuration: Channel Substrate: Pea Wildlife Observations/Sig potential VP):	Criteria Depth @ Undercut t-MuckSil Under	t-MudSa Bedroo Center: Vei t-MudSa Bedroo rails, dropping	rtical ndGrave ck Peren. rtical ndGrave ck gs, dams/lodge	Intermited Inter	itent ulder itent ulder
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Meets NEIWPCC (2004) Stream # 1 Data: Width (Bank-Bank): Bank Configuration: Channel Substrate: Pea Stream # 2 Data Width (Bank-Bank): Bank Configuration: Channel Substrate: Pea Wildlife Observations/Sig potential VP):	Criteria Depth @ Undercut t-MuckSilUndercut t-MuckSilSilUndercut t-MuckSilUndercut t-MuckSilS	Vert-MudSa Vert-MudSa Vert-MudSa Bedroot rails, dropping and the control of the control	rtical ndGrave ck Peren. rtical ndGrave ck gs, dams/lodge	Intermit Gradual //Cobble Bo Intermit Gradual //Cobble Bo es, browse, dens,	ulder itent ulder ulder egg masses,

Photo # 4 7.4



Possible Functions and Varieties. Groundwater Recharge/Discharge Fish and Shellfish Habitat Nutrient Removal Sediment/Shoreline Stabilization Recreation Uniqueness/Heritage Endangered Species Habitat	Floodflow Alteration Sediment/Toxicant Retention Production Export Wildlife Habitat Educational/Scientific Value Visual Quality/Aesthetics Other Small
Checklist: Wetland ID# North arrow. Detailed sketch of wetland boundary a Natural and man-made features – road Photo locations. Location of important wildlife sign.	and flagging sequence.

Non-WOSS
Data Form Examples

Segment 4

- ka	Je 11c		wer Reliab		M	Team.
ET-146-05	Observers: My Town: Segment #: 17	Lewiston	IND SUMM	Series :	10-17-0 00-17-0 5 Wetland ID	
	Stream/Waterbody	/ ID:		1 OIC #	Corps plot :	Yes\\No
	Dominar	nt NWI Class:	EMI		Other NWI Clas	
	(1 0	Representativ	e Wetland Veg			
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<u> </u>	Cicyp	Dela lace		Spilar	T	
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				Alm		
•	Eirh glam			717 (1 to	(¢,	
		Represe	entative Wetlan	nd Hydrolog	у	
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		dicators: Si Water Marks hinage Patterns	ilt Deposition Drift L		Water-Staine Surface Scorees Elevate	ouring
	Representative		Horizon	Color	Redox	Texture
	Wetland Soils: Mineral		A.	544 2	Peatures	Salo
	Organic			7.51	54912	300
		8-12-1	131	545/2	st 6/1	Silo
· ·	Other Observations Meets NEIWPCC (2 Stream # 1 Data: Width (Bank-Bank): Bank Configuration: Channel Substrate:	2004) Criteria Depth @ Depth @	Ve	Peren.	Intermi	
			Bedro	ck		
	Stream # 2 Data Width (Bank-Bank):	Denth @	Genter:	Peren.	Intermi	ttent
	Bank Configuration:	Undercut	Ve	rtical	Gradual	
	Channel Substrate:	Peat-Muck	Silt-MudSi Bedro		el/CobbleBo	ulder
	Wildlife Observation	ns/Sien (e.g., track			zes, browse, dens	egg masses.
<	potential VP):		vP ii			
	Notes:					
		N	17	Tillation 4 of	Smaalal Sianisia	
	□Ced	ar Swamp		wenand of	Special Significan	ice
	Photo # 819				SKE	TCH ON BAC
S 4	Housen 5,	118/17				

Added Alaine to veg Soil haden and delineation travel

Observers: MP A	WETLA	wer Reliabi ND SUMMA J CMP	RY FORM	10-17-0 00 E N S Wetland ID Corps plot :	#: <u> </u>		
Dominant NWI		M		Other NWI Class	es:		
Gly can AST Scicyp Roll Sew erd Eirth gram	epresentative why hus	e Wetland Veg	Shay Spila Spila Vy de	,			
<u> </u>	Represe	ntative Wetlan	d Hydrolog	у			
	Permanently Flooded Seasonally Flooded Saturated (approximate depth -) (approximate depth - 3")						
Hydrologic Indicator Water I Drainage I Other Observations:	∕Aarks _	Drift L	ines <u>U</u>	Water-Staine Surface Sco rees Elevate	uring		
Representative	Depth	Horizon	Color	Redox	Texture		
Wetland Soils: Mineral	D-8	A,	5447	Features	Salo		
Organic	0-0	7/1	24.01	64412			
Organio	8-12+	131	545/2	at 6/1	Silo		
Other Observations: Meets NEIWPCC (2004)	Criteria <u>V</u>						
Stream # 1 Data: Width (Bank-Bank): Bank Configuration: Channel Substrate: Pea	Undercut	Ve	rtical indGrav	Gradual			
Bank Configuration:	Stream # 2 Data Width (Bank-Bank): Depth @ Center: Peren Intermittent Bank Configuration: Undercut Vertical Gradual						
Wildlife Observations/Sign (e.g., tracks/trails, droppings, dams/lodges, browse, dens, egg masses, potential VP) ABA W C D C D C D C D C D D D D							
Notes:							
□Cedar Swa	<i>/</i> //		∃Wetland of	Special Significar	ice		

Photo # 89

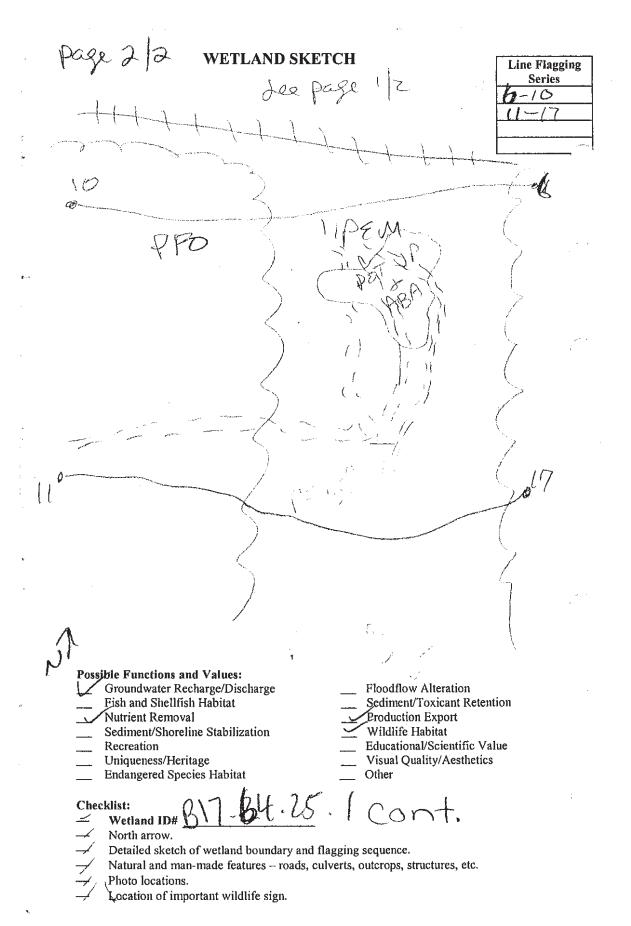
SKETCH ON BACI

	Page (2 WETLAND SKETCH	Line Flagging Series
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•	Postible Functions and Values: Groundwater Recharge/Discharge Floodflow Alteration Fish and Shellfish Habitat Sediment/Toxicant Reten Nutrient Removal Production Export Sediment/Shoreline Stabilization Wildlife Habitat Recreation Educational/Scientific Va Uniqueness/Heritage Visual Quality/Aesthetics Endangered Species Habitat Other	lue
	Checklist: Wetland ID# North arrow. Detailed sketch of wetland boundary and flagging sequence. Natural and man-made features – roads, culverts, outcrops, structures, etc. Photo locations. Location of important wildlife sign.	

Name Power Keliability Project	Team
Observers: Date: Date: Series: Observers	151
Observers My Ala, W Date:	
10Wil. 1/2(x)() (6 x) 00HGS - 1 x(x)() (4 x)	
Segment #: 1 CMP Section #: 64 CMP Pole #: 25 Wetland	
	: Yes No
Dominant NWI Class: fem (Other NWI Class	
Representative Wetland Vegetation (by Strata): Short Sho	erub m Amer t pop r rug
VVS COS*	
Representative Wetland Hydrology	
Permanently Flooded (approximate depth -) (approximate depth -) (approximate depth -)	Saturated
Hydrologic Indicators:Silt Deposition Water-Stai Water Marks Drift Lines Surface Some S	couring
Representative Depth Horizon Color Redox	Texture
Wetland Soils: Features	
$ \begin{array}{c ccccc} \hline \text{Mineral} & 0-2 & A, & 5932 & - \end{array} $	Salo
Organic 2-10+ 13, 594511	5,40
10472.4/6	
Other Observations: Meets NEIWPCC (2004) Criteria Stream # 1 Data: Width (Bank-Bank): Depth @ Center: Peren Interm Bank Configuration: Undercut Vertical Gradual Channel Substrate: Peat-Muck Silt-Mud Sand Gravel/Cobble B	
Bedrock	outuei
Stream # 2 Data Width (Bank-Bank): Depth @ Center: Peren Interm Bank Configuration: Undercut Vertical Gradual Channel Substrate: Peat-Muck Silt-Mud Sand Gravel/Cobble B Bedrock	oulder
Wildlife Observations/Sign (e.g., tracks/trails, droppings, dams/lodges, browse, den	s, egg masses,
Pot ABHVP in RUTS	
Notes:	

Photo # [0] ||

SKETCH ON BACY



NAJ-17-PF-1

PROPERTY B-17-61-25-1

We thank boundary shightly

Boundary not significantly

Airfarent than onis inal

boundary except for the

Airrate South side Shightly

No photo

No photo

Adjusted northwarm wetland
But boundary to encompass more
wetland Secons/ral
wetland Sucris/ral
wetland South sheethy though
sphag
Rub thisp
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Osmain
Jun all)
Spilart

WET-146-10

S Spi town Other Discharges So hashrean Wildife Ohzervations/Sign (c.g., tracks/traits, droppings, dans/lodges, browse, dens, egg masses, potential VP); Stream # 2 Dain

Width (Sank: Bank): Depth @ Center: Vertical

Bank Configuration: Undercut Vertical

Charace) Substrate: Peat-Muck Sit-Mad Sand Grave Other Othervalions:
Meets NEIWPCC (2004) Criteria III Stream # 1 Data:

Depth @ Cepter:

Width (Bank-Bank):

Depth @ Cepter:

Vertical

Vertical

Channel Substrate:

Peat-Muck

Bedrock Maine Fower Keliability Project

N. D. WETLAND SUMMARY FORM

One:

Scries:

ONP Section #: BY CMP Pole #: 3 Welland #:

Pommant Watchedy ID:

Representative Wedned Vegration (by Strain):

Representative Wed Permanently Flooded (approximate depth -Hydrologic ladicators: Silt Deposition
Water Marks Dein i The Pad mir rap Can lac sphagem Drainege Patterne Drift Lines 18-0 0 Depth Representative Wetland Hydrology Seasonally Flooded (approximate depth - 6 11) Harizon Vertical Gradual Vind Sand Graws/Cobbie Boulder
Bedrock Water-Stained Leaves
iff Lines Surface Southing
Huttessed Trees Elevated Roots (Wetland of Special Significance Gravel/Cobble Boulder Features SKETCH ON BACK Saturated 2097 Textare

Possible Functions and Values: Groundwater Recharge/Discharge Flish and Shellifish Habitat Nutrient Removal Sediment/Shoreline Stabilization Recression Uniqueness/Fichiage Eadangered Species Habitat	S phild you	S S S S S S S S S S S S S S S S S S S	<u> </u>	WETLAND SKETCH
Floodflow Alteration Sediment/Toxicant Retention Production Export Wildlife Habitat Educational/Scientific Value Visual Quality/Acathetics Other	steel <		32	ni.

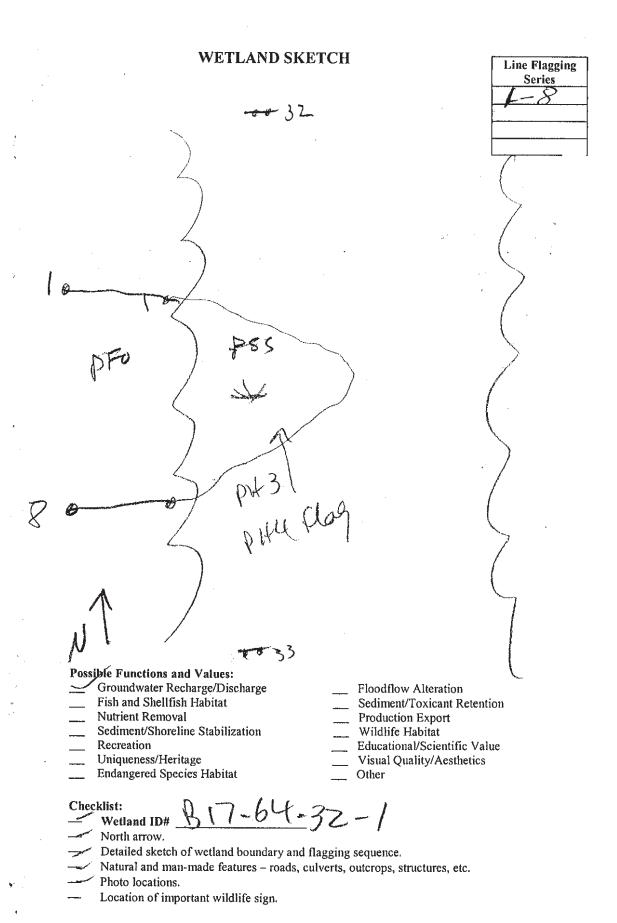
Checkens Dr 817-64-32-1

Detailed sketch of wetland boundary and flagging sequence.

Natural and man-made features - roads, culverts, outcrops, smuclures, etc.

hoto locations. .ocation of important voldlife sign.

	Maine Po	wer Keliabi	inty Proje	et	Team
N D	A WETLA	ND SUMMA	ARY FORM	1.10-18	100
Observers:	(1/V)	<u> </u>	Date:	0000	
Town: Town 57	AD Section #:	Z CE CMP	Pole # >	Wetland #:	
Segment # : 1 Cl Stream/Waterbody ID:	VIF Section #	D-I CIVII	1010111	Corps plot :	Yes_No
Dominant NW	I Class:	51			sses: P FO 1/4
Classic R	epresentative	Wetland Vege		trata):	164
Shrub Scic	4P P	out has nit rop sphogn		Rot	-000
Ileires 10	00	Na Na Na		D	195
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Alury Conl	ac	36 rond	ivu	1 10.2	-pap Stro Ceny
Opi tat Cotto	ws!	•		1	(
Spitom Ast	will				
	Represe	ntative Wetlan	id Hydrology	,	جم
Permanently Fl	ooded	Seaso	mally Flooded	i	Saturated
(approximate depth -)	(approximate	depth -6")	
Hydrologic Indicato	re: Si	lt Denosition		Water-Stain	ned Leaves
Water	Marks	Drift L	ines	Surface Sc	ouring
	Patterns		Buttressed Tr	ees Eleva	ited Roots
Other Observations:	1 - 0.10	IMA		i.	
Den S	3 NOOTI I				1
Representative	Depth	Horizon	Color	Redox Features	Texture
Wetland Soils:	18:16	7)*	OYEZI	- Peatures	FIBRE
Mineral	16-0	Da	104 13/1	· ·	Scoplic
Organic	10-0	(20	100112311	<u></u>	
Other Observations:			<u>- </u>		
Meets NEIWPCC (2004)	Criteria <u>I</u>	1			
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Stream # 1 Data: Width (Bank-Bank):	Depth @	Center:	Peren.	Inte	rmittent
Qank Contiguration:	umaerciii	/ V C	ilitai	_ 0144441	
Channel Substrate: Pe	at-Muck	Bedro	iliuOlavi	3//C000/CB	outavi -
Stream # 2 Data					
Width (Bank-Bank):	Depth @) Center:	Peren.	Inte	rmittent
Bank Configuration	Undercut	Ve	ertical	Gradual	oulden .
Channel Substrate:Pe	at-MuckS	Silt-MudSi Bedro	andGrav	ei/CobbleB	oulder
Wildlife Observations/Si	an (o.a. track)			es, browse, den	s, egg masses,
potential VP):	gn (c.g., nack.	a tratis, droppin	.60, 4411.0.10	,,	
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		are the same of th			
Notes:		,			
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□ Qedar Swam	p	W	etland of Spe	cial Significanc	e
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Photo # $2/4$				SK	ETCH ON BACI



New brestands 15 JK 01 Wetherd 2 - TRC new delinustron well-d I - NAI deservator 17-IB-30 MIX SVARO PSS Hydro ONIED 6002 3 6

S.H.

paleces Rock K Outrop iphot 1 (1-9)

Me w wether 85 2-17-64-68-1 NAI-17-58.30 2-17-64-68-2

asirp MAR-17-IB-30 7/8/2009 Newwertunds 2-17-64-68-1 Hydro 0-8-0; water ?" 8-12"-A 104R3/2 12"-18"-B 107R6/1, Silo - drainage 10 yr 5/6 Mottle Sci Lyp Cart Milk SNAKE Spilat Marsh from Salix spp Caristo Osmicim sp. tom pol sag Ger per Lyster Willand I - NAI Observation sWelland Z-TRCNEW delmashon

NAI-17-18-30 me w wetter 15 2-17-64-68-1 2-17-64-68-2 pole US LANGE Rode Outerof Iphote 2-17-64868-1 200-1/WET-159-02

CHARLES AND ACCOUNT OF THE PROPERTY OF THE PRO	Server Se	ophoto S & Zo.	Possible Functions and Values: X Groundwater Recharge/Discharge Groundwater Recharge/Discharge Fish and Shellifath Habitat Nutrient Removal Sediment/Shorteine Stabilization Recreation Uniqueness/Heritage Uniqueness/Heritage Uniqueness/Heritage Uniqueness/Heritage Other Checklist:
	Observers: Charles RETLAND SUMMARY FORM Observers: Segment #: Segment #: CALP Section #: CALP Pools #: COMP spot: Year No. Stream Watstood ID: CALP Section #: CALP Pools #: COMP spot: Year No. Outstrand IV Class: Representative Wetland Vegetation (by Strata): Accounty Flooded Seasonally Flooded Februared Rydrotogy: Representative Wetland Rydrotogy: Representative Wetland Rydrotogy: Sessonally Flooded Seasonally Flooded Floo	Hydrologic Indicators: Water Marks Water Marks Drift Lines Surface Scouring Surface Surface Scouring Surface Scouring Surface Surface Surface Scouring Surface Sur	Meets NEIWPCC (2004) Criteria Stream # 1 Data: Width (Bank-Bank): Depth @ Center: Peren Intermittent Bank Configuration: Undercut Vertical Channel Substrate: Pear-Muck Silt-Mud Sand Gravel/Cobbie Boulder Bank Configuration: Undercut Depth @ Center: Peren Intermittent Bank Configuration: Undercut Vertical Gravel/Cobbie Boulder Bank Configuration: Undercut Silt-Mud Sand Gravel/Cobble Boulder Channel Substrate: Pear-Muck Silt-Mud Sand Gravel/Cobble Boulder Bear Configuration: Undercut Silt-Mud Sand Gravel/Cobble Boulder Depth @ Cannel Substrate: Pear-Muck Silt-Mud Sand Gravel/Cobble Boulder Depth @ Cannel Substrate: Pear-Muck Silt-Mud Sand Gravel/Cobble Boulder Depth @ Cannel Substrate: Pear-Muck Silt-Mud Sand Gravel/Cobble Boulder Depth @ Cannel Substrate: Pear-Muck Silt-Mud Sand Gravel/Cobble Boulder Depth @ Cannel Substrate: Pear-Muck Silt-Mud Sand Gravel/Cobble Boulder Depth @ Cannel Substrate: Pear-Muck Silt-Mud Sand Gravel/Cobble Boulder Depth @ Cannel Substrate: Pear-Muck Silt-Mud Gravel/Cobble Boulder Depth @ Cannel Substrates Depth @ Cannel S

Natural and man-made features - roads, culverts, outcrops, structures, etc.

Location of important wildlife sign.

Photo incations.

Detailed sketch of wetland boundary and flagging sequence.

North arrow.

Town: Segment # : C Stream/Waterbody ID: Dominant NW	MP Section # T Class: Representative Construction	re Wetland Ver	Series: P Pole #: Z g	Wetland #: Corps plot : Other NWI Clas	Yes No
Town: Segment #: C Stream/Waterbody ID: Dominant NW	MP Section # T Class: Representative Construction	64 CM FO Wetland Ver	Series: P Pole #: Z g	Wetland #: Corps plot : Other NWI Clas	Yes No
Stream/Waterbody ID: Dominant NW Acer Colored Scaring	T Class: Representative Pennsy	re Wetland Ver	getation (by S	Corps plot : Other NWI Clas trata):	Yes No
I Acer of France S Vibran	Representative	lvantea	getation (by S	Other NWI Clas	ses:
I Acer of Francis	Representative	lvantea	getation (by S	trata):	
I Acer ru's	pennsy - Jun	lvantea	geration (by S	wocle-	ره سرد بحالهٔ
Permanently Fi (approximate depth - Hydrologic Indicate Water Drainage	ooded)	entative WetlaSeas: (approximate	nd Hydrology onally Flooded e depth	, 1 L	Saturated Saturated ed Leaves ouring
Other Observations: Representative	Depth	Horizon	Color Color	Redox	Texture
Wetland Soils:	- 17	<u> </u>	1 37	Features	
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Organic	4.11	10	2.59411	107496,6	Sandy (sa.
		1/2	25851	- ref	Seperated 2
Other Observations: Meets NEIWPCC (2004)	Criteria	J			
Stream # 1 Data: Width (Bank-Bank): Bank Configuration: Channel Substrate: Per	Depth @	Center:Ve	rtical ndGrave	Intern Gradual /Cobble Bou	nittent
Stream # 2 Data Width (Bank-Bank): Bank Configuration: Channel Substrate: Pea	Depth @ _Undercut t-Muck S	Center:Ve ilt-MudSa Bedro	rtical ndGrave	Intern Gradual /CobbleBou	nittent
Wildlife Observations/Sig potential VP):	n (e.g., tracks	trails, dropping	gs, dams/lodge	s, browse, dens,	egg masses,
	ypainst work		* 2 7		

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Pos	sible Functions and Values:	NESSE TAXAB BOSE - FF	
<u> </u>	Groundwater Recharge/Discharge Fish and Shellfish Habitat	Floodflow Alteration Sediment/Toxicant Ret	ention
*****	Nutrient Removal Sediment/Shoreline Stabilization	Production Export Wildlife Habitat	
	Recreation Uniqueness/Heritage	Educational/Scientific Visual Quality/Aesthet	
_	Endangered Species Habitat	Other	
Che	cklist: 4-7-64-200		
-	Wetland ID#	G.	
	Detailed sketch of wetland boundary and flag		8 %
	Natural and man-made features - roads, culv Photo locations.	erts, outcrops, structures, etc.	:0
	Location of important wildlife sign.		3

Non-WOSS
Data Form Examples

Segment 5

	TE CONTENT	Power Relia	Diffity 110	ject	Team
Observers: DW	$I_1 \subseteq \subseteq D$. $I_2 \cong$	AND SUMN	D-4-	. 10 ~ 10	-07
Town: WINDSO	1		Date:	1-7	<u> </u>
Town: WINDSO Segment #: 11 Stream/Waterbody	CMP Section	#:392- CN	iP Pole #・フ	/ 2 Wetland I	D.#. /
Davails Trutchoody	<u></u> (/_)		** 1 010 II <u></u>	Corps plot	□ #; <u>ℓ</u> :Yes_Κ
Dominant	NWI Class:	551		Other NWI Ch	
SHRMB! VIL. V	Representati	ve Wetland Ve	getation (by	Strata): HERBA	COURT
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Spira	aca lat.	, , ,	1.78	ONOC.	
Alna	N INC.		,		umbel
	rus stolo	10		Symphi Lyco, U	v. lance
-	7 5 7 4 10			Lýco. V	MIF,
	Represe	entative Wetla	nd Hydrolog	sy	
Permanently (approximate depth		Seas	onally Floode depth -	ed <u>L</u>	Saturated
Hydrologic Indic	cators:Si	ilt Denosition		Water Stein	- d T
Wa	iter Marks	Drift I	ines	Water-Stain Surface Sco	
Other Observation	age Patterns		Buttressed Ti	ees Elevat	ed Roots
Odici Oosei vadons;	our Plu	WED FIR	an; e	120DED	
Representative	Depth	Horizon	Color	Redox	Toutun
Wetland Soils:			00.00	Features	Texture
× Mineral	0-99	Ap	10/12 4/Z	CF,P	SIL
Organic	9-20"+	<u> </u>	2.54 5/2	MEP	SICL
•					
				:	
Other Observations					
Other Observations: Meets NEIWPCC (200	4) Criteria	- EROP	ED 50	CANTIC	
Meets NEIWPCC (200) Stream # 1 Data:				CANTIC	
Meets NEIWPCC (200 Stream # 1 Data: Width (Bank-Bank):	Depth @				ent
Meets NEIWPCC (200- Stream # 1 Data: Width (Bank-Bank): Bank Configuration:	Depth @	Center:	Peren.	Intermit	
Meets NEIWPCC (200- Stream # 1 Data: Width (Bank-Bank): Bank Configuration:	Depth @	Center: Ver	Peren. tical d Grave	Intermit	
Meets NEIWPCC (200 Stream # 1 Data: Width (Bank-Bank): Bank Configuration: Channel Substrate:	Depth @	Center:	Peren. tical d Grave	Intermit	
Meets NEIWPCC (200) Stream # 1 Data: Width (Bank-Bank): Bank Configuration: Channel Substrate: Stream # 2 Data Width (Bank-Bank):	Depth @ Undercut Peat-MuckSi	Center: Ver	Peren. tical nd Grave	Intermiti Gradual I/CobbleBou	lder
Meets NEIWPCC (200) Stream # 1 Data: Width (Bank-Bank): Bank Configuration: Channel Substrate: Stream # 2 Data Width (Bank-Bank): Bank Configuration:	Depth @Undercut Peat-MuckSiDepth @ Undercut	Center: Ver	Peren. dGrave kPeren.	Intermiti Gradual I/CobbleBou	ent
Meets NEIWPCC (200) Stream # 1 Data: Width (Bank-Bank): Bank Configuration: Channel Substrate: Stream # 2 Data Width (Bank-Bank): Bank Configuration:	Depth @Undercut Peat-MuckSiDepth @ Undercut	Center: Ver H-MudSan Bedroc Center: Ver It-MudSan	Peren. tical dGrave k Peren. ical dGrave	Intermiti Gradual I/CobbleBou	ent
Meets NEIWPCC (200) Stream # 1 Data: Width (Bank-Bank): Bank Configuration: Channel Substrate: Stream # 2 Data Width (Bank-Bank): Bank Configuration: Channel Substrate: F	Depth @Undercut Peat-MuckSiDepth @Undercut Peat-MuckSi	Center: Ver H-MudSanBedroc Center: Ver It-MudSanBedrocl	Peren. tical adGrave k Peren. tical adGrave	Intermited Gradual I/CobbleBou Intermited Gradual I/CobbleBou	ent
Meets NEIWPCC (200) Stream # 1 Data: Width (Bank-Bank): Bank Configuration: Channel Substrate: Stream # 2 Data Width (Bank-Bank): Bank Configuration: Channel Substrate: F Wildlife Observations/S	Depth @Undercut Peat-MuckSiDepth @Undercut Peat-MuckSi	Center: Ver H-MudSanBedroc Center: Ver It-MudSanBedrocl	Peren. tical adGrave k Peren. tical adGrave	Intermited Gradual I/CobbleBou Intermited Gradual I/CobbleBou	ent
Meets NEIWPCC (200) Stream # 1 Data: Width (Bank-Bank): Bank Configuration: Channel Substrate: Stream # 2 Data Width (Bank-Bank): Bank Configuration: Channel Substrate: F Wildlife Observations/S	Depth @Undercut Peat-MuckSiDepth @Undercut Peat-MuckSi	Center: Ver H-MudSanBedroc Center: Ver It-MudSanBedrocl	Peren. tical adGrave k Peren. tical adGrave	Intermited Gradual I/CobbleBou Intermited Gradual I/CobbleBou	ent
Meets NEIWPCC (200) Stream # 1 Data: Width (Bank-Bank): Bank Configuration: Channel Substrate: Stream # 2 Data Width (Bank-Bank): Bank Configuration: Channel Substrate: F Wildlife Observations/S	Depth @Undercut Peat-MuckSiDepth @Undercut Peat-MuckSi	Center: Ver H-MudSanBedroc Center: Ver It-MudSanBedrocl	Peren. tical adGrave k Peren. tical adGrave	Intermited Gradual I/CobbleBou Intermited Gradual I/CobbleBou	ent
Meets NEIWPCC (200) Stream # 1 Data: Width (Bank-Bank): Bank Configuration: Channel Substrate: Stream # 2 Data Width (Bank-Bank): Bank Configuration: Channel Substrate: F Wildlife Observations/S	Depth @Undercut Peat-MuckSiDepth @Undercut Peat-MuckSi	Center: Ver H-MudSanBedroc Center: Ver It-MudSanBedrocl	Peren. tical adGrave k Peren. tical adGrave	Intermited Gradual I/CobbleBou Intermited Gradual I/CobbleBou	ent
Meets NEIWPCC (200) Stream # 1 Data: Width (Bank-Bank): Bank Configuration: Channel Substrate: Stream # 2 Data Width (Bank-Bank): Bank Configuration: Channel Substrate: P Wildlife Observations/Soptential VP):	Depth @Undercut Peat-MuckSi Depth @Undercut Peat-MuckSi	Center: Ver H-MudSanBedroc Center: Ver It-MudSanBedrocl	Peren. tical adGrave k Peren. tical adGrave	Intermited Gradual I/CobbleBou Intermited Gradual I/CobbleBou	ent
Other Observations: Meets NEIWPCC (200) Stream # 1 Data: Width (Bank-Bank): Bank Configuration: Channel Substrate: Stream # 2 Data Width (Bank-Bank): Bank Configuration: Channel Substrate: F Wildlife Observations/Soptential VP):	Depth @Undercut Peat-MuckSi Depth @Undercut Peat-MuckSi	Center: Ver H-MudSanBedroc Center: Ver It-MudSanBedrocl	Peren. tical adGrave k Peren. tical adGrave	Intermited Gradual I/CobbleBou Intermited Gradual I/CobbleBou	ent
Meets NEIWPCC (200) Stream # 1 Data: Width (Bank-Bank): Bank Configuration: Channel Substrate: Stream # 2 Data Width (Bank-Bank): Bank Configuration: Channel Substrate: P Wildlife Observations/Soptential VP):	Depth @Undercut Peat-MuckSi Depth @Undercut Peat-MuckSi	Center: Ver H-MudSanBedroc Center: Ver It-MudSanBedrocl	Peren. tical adGrave k Peren. tical adGrave	Intermited Gradual I/CobbleBou Intermited Gradual I/CobbleBou	ent
Meets NEIWPCC (200) Stream # 1 Data: Width (Bank-Bank): Bank Configuration: Channel Substrate: Stream # 2 Data Width (Bank-Bank): Bank Configuration: Channel Substrate: P Wildlife Observations/Sociential VP):	Depth @Undercut Peat-MuckSi Depth @Undercut Peat-MuckSi	Center: Ver H-MudSanBedroc Center: Ver It-MudSanBedrocl	Peren. tical adGrave k Peren. tical adGrave	Intermited Gradual I/CobbleBou Intermited Gradual I/CobbleBou	ent
Meets NEIWPCC (200) Stream # 1 Data: Width (Bank-Bank): Bank Configuration: Channel Substrate: Stream # 2 Data Width (Bank-Bank): Bank Configuration: Channel Substrate: P Wildlife Observations/Sociential VP):	Depth @Undercut Peat-MuckSiDepth @Undercut Peat-MuckSil Sign (e.g., tracks/t	Center: Ver At-MudSanBedroc Center:Ver lt-MudSanBedroc trails, droppings	Peren. tical adGrave k Peren. tical dGrave c s, dams/lodge	Intermited Gradual I/CobbleBou Intermited Gradual I/CobbleBou	entlder

WETLAND	SKETCH
1)0R10,	J 555

Line Flagging Series



•	
ossible Functions and Values:	•
Groundwater Recharge/Discharge	Floodflow Alteration
Fish and Shellfish Habitat	Sediment/Toxicant Retention

Æ	0221D1C	Lancinon2	ann	values.	
		1 . 1	· ·	/ES* .1.	

- Nutrient Removal
- Sediment/Shoreline Stabilization
- Recreation
- Uniqueness/Heritage
 - Endangered Species Habitat

- - **Production Export**
- Wildlife Habitat
 - Educational/Scientific Value
- Visual Quality/Aesthetics
- Other

Checklist:

Wetland ID# <u>A11-392-212-1</u>

- North arrow.
- Detailed sketch of wetland boundary and flagging sequence.
- Natural and man-made features roads, culverts, outcrops, structures, etc.
- Photo locations.
- Location of important wildlife sign.

	. 1		· n -			
		Maine]	Power Relia	bility Proj	ect	Team_A
	Observers: DWP Town: WIWD Sour	CCDK	LAND SUMN	MARY FOR	M	
	Town: WINDSONZ	- CU, /Q	/ W	Date:	10-10-	-01
	Segment #:_/	CMP Section	#: 39 Z- CN	_: Series -2. # AP Pole #	$\frac{1-6}{9}$ $\frac{7}{9}$ Wetland #	
	Stream/Waterbody ID	n: Ø		11 1 Oic π, <u>ν</u>	Corps plot	Yes X
	Dominant N	WI Class:	cm 1		Other NWI Cla	
)	SHRNB:	Representat	ve Wetland Ve	getation (by 9	Strata): ルジスタ	3555: 1257
	Alans inc. Spiraca lat. Flex vert.		7/40/	. 1		
	All I		d)	pal.	wainit.	oha lat
	spraca lat.		ONOC	· Sens.		TOV ZIE:
*	Ilax vert.		Gal.	can.	C. 2(1	5 PI 10
	Spiraen tomen		5en e	icio sch	wainit;	J. 2001
					()	alex luf
	•.	Repres	entative Wetla	nd Hydrology	7	
	Permanently F	Flooded	Seas	onally Flooder	1 1	
	(approximate depth -	.)	(approximat	e depth -	,	Saturated
	Hudrologia Indiana			•	,	
	Hydrologic Indicate Water	ors:S r Marks	ilt Deposition		Water-Stain	
	Drainage	e Patterns	Drift I		_ Surface Sco	During
	Other Observations:			Duttiessed 116	es Elevat	ed Roots
	Representative	Depth	Horizon	Color	Redox	Texture
Nes	Wetland Soils:				Features	Texture
	Mineral	3 - 3 1	AMUCKY	101R 3/2	CFP	SIL-MUCK
	Organic	3 9	1391	10YR 4/1	4	SIL.
		9-184	15gz-	2.575/2	MMPE	
	Other Observations:	<u> </u>			C.M.F	\square
	Meets NEIWPCC (2004)	Criteria I	. 5	intic c	~ 1L 10	nam
	Stream # 1 Data:					
	Width (Bank-Bank):	Depth @	Center:	Peren.	Intern	ittent
	Channel Substrate:Pea	it-Muck Si	lt-MudSar	ndGrave]/	CobbleBou	lder
	Stream # 2 Data		Bedroc	k		
		,*				
	Width (Bank-Bank):	Depth @	Center:	Peren	Total .	***
	Width (Bank-Bank): Bank Configuration:	Depth @ _Undercut	Center: Veri	Peren.	Interm	ittent
	Width (Bank-Bank): Bank Configuration:	Depth @ _Undercut t-MuckSi	veri lt-MudSan	icai dGrave!/(Interm Gradual CobbleBou	ittent
	Width (Bank-Bank):	t-MuckSi	t-MudSan_ Bedrocl	ricar dGrave!/(k	Gradual CobbleBou	lder

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WETLAND SKETCH

Derion

Line Flagging Series
1 mm 6
7-13

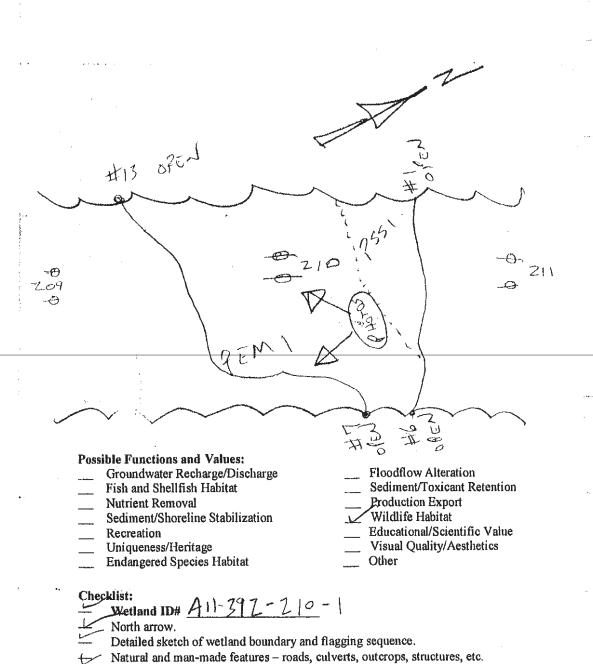


Photo locations.

Location of important wildlife sign.

	Language of the state of the st
	Maine Power Reliability Project Team A WETLAND SUMMARY FORM
*	Observers: DWT, CCD, KJW Date: 10-16-01
	Town: WHITEFIELD Series: 1-6 Segment #: 11 CMP Section #: 392 CMP Pole #: 1 Wetland ID #: 1
	Stream/Waterbody ID: Corps plot: Yes X No
Marie Care	Dominant NWI Class: Other NWI Classes:
×. *	HERE: Representative Wetland Vegetation (by Strata):
	Viola spp. Gly, melic. Symphio, lance.
	carex sup. Salix sp. Rann. spp.
are s.	Viola sp. Salix sp. Rannn. spp. Lyco, unif. Agrostis sp. Phalarund.
** ×	Gallium Palus. Carex Inrid.
	Representative Wetland Hydrology
	Permanently Flooded Seasonally Flooded Saturated
	(approximate depth -) (approximate depth -)
	Hydrologic Indicators: Silt Deposition Water-Stained Leaves
	Water Marks Drift Lines Surface Scouring Drainage Patterns Buttressed Trees Elevated Roots
	Other Observations: GENTLE SWALE DIZAMING GREE COURSE
	Wetland Soils: Features
	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
	10-16"+ Baz 2.575/2 M. M. P SICL
	Other Observations: Meets NEIWPCC (2004) Criteria
	Stream # 1 Data:
, 340	Width (Bank-Bank): Depth @ Center: Peren Intermittent Bank Configuration: Undercut Vertical Gradual
N. 12.	Channel Substrate:Peat-MuckStit-MudSandGravel/CobbleBoulder Bedrock
	Stream # 2 Data
	Width (Bank-Bank): Depth @ Center: Peren Intermittent Bank Configuration Undercut Vertical Gradual
	Channel Substrate:Peat-MuckSilt-MudSandGravel/CobbleBoulder Bedrock
821	Wildlife Observations/Sign (e.g., tracks/trails, droppings, dams/lodges, browse, dens, egg masses,
	potential VP):
:	Notes:
.*	
	\cdot
	□Cedar Swamp □Wetland of Special Significance

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WETLAND SKETCH	Line Flagging Series
#1 CONNECTS TO #6	
TO TEN HAY LAND	27.50.40
	C LANE
Possible Functions and Values:	
Possible Functions and Values: Groundwater Recharge/Discharge Fish and Shellfish Habitat Nutrient Removal Sediment/Shoreline Stabilization Recreation Uniqueness/Heritage Endangered Species Habitat Poduction Export Wildlife Habitat Educational/Scientific Val Visual Quality/Aesthetics Other	
Checklist: Wetland ID# A11-392-141-1 North arrow. Detailed sketch of wetland boundary and flagging sequence. Natural and man-made features – roads, culverts, outcrops, structures, etc. Photo locations. Location of important wildlife sign.	

Investe and	Pestars(.)	13)		S. S. S. S.	Fertur (>) ID: \ Three Co	o(s) (D: / E T	100	-11
d Data Fe B		Roudse We		950 (12) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Raut	ine Wa	tand band	Bata
Date	4/12/1				T M		roject Name	
Coltob 4	£.06 532	(Free of the st			in MP	> 1/4	o F edin (1	~_{eq
Ph Obst	ervers: JPB	SNH	1.0	irtioto	3) #: `` 2 _	<u>i y i </u>		Jii li
ai - Com	ments:	1 .	i(°)	matric (19)	Н зунци			C
-			1					_!_i
	ilerani Vereta	tion (by strate	eend ? 5	444443 (147 ¹⁴ 1 4)	eri itláni(b)	yastrato	្គា)រូវទំនួន (២	- c (P)
	rtis de la H			bs/Saclings			Vines	េះមួ
ON	o sens.		Abi	bal	ACE	rub		
	1 Cina	1	Bet	pen	Abres	bal	-	
Aci	er rub.	,		,	Red P	en 📗		
G	60							j
DOW	cai						į	
50	asoun							i
Wet	land Hydrole	gy Indicators	:	Sant Kir	ne ne	A. 14-15	7.7	
	Perm. Flood	ed √Sea	sonaliy	y Flooded/S			_Saturated	
(app	rox_depth:) (approx	. depth					
	1 - Surface	*B5 – Iron		*B15 – Mar	I deposits:		Thin muck	
		B6 - Surface		B16 – Moss	teim lines	surface	rayfish burro	NC .
10	2 – High water	cracks	SUII .	DIO - MOSS	um incs	[0-0]	aynsii ourio	
	3 - Saturation	*B7 – Inunda	ted	*CI - Hydr	ogen sulfide	C9 – Sa	turation visil	ole
5		aerial imager	y	odor		on aeria	al imagery	
*B	1 - Water marks	*B8 – Sparse	veg.	C2 - Dry-se	ason water	1 '	Stunted or	1
		concave surfa		table		stressed		
	2 – Sediment	*B9 - Water-	, ,	*C3 - Oxid	,		Geomorphic	1
dep	oosits	stained leave	<i>y</i> :	rhizosphere root	s - nving	positio	1	:
*R	3 – Drift	B10 – Draina	øe.	*C4 – Prese	ence of	*D3 - 3	Shallow aguit	ard
	osits	patterns	, vo	reduced iro				

Representative Hydric Soils:

| Depth (in) | Horizon | Texture | Color | Redox. Features | Other |
| O-15 | A | L 5 | 10/(6/1 | 2.5/6/8 30% |
| Hydric Soil Indicator & Reference:

*C6 - Recent iron reduction in tilled soils

*B4 - Algal mat or

*Denotes Primary Indicator

Other Soil Comments:

crust

*B13 - Aquatic

fauna

*D4 - Microtopographic

*D5-FAC-neutral test

relief

Non-WOSS Data Form Example

Merrill Road Converter Station

	WET-	PE	RRC	W-4
ine Wetland Field Dat	9 Form			

Date: 4/3/	3/17		Projec	t Name:	2	MI			
ob #: 53 2			Cowar	din Class	(es)	& %: PF	01/	4 E	
Observers:	5. BO	Me, C.		1K Ph					
Comments:									
Dominant V	egetatio	n (by strati	ım):						
Herbs	Herl	os (cont.)	Shr	ubs/Sapli	ngs	Trees		Vines	
Abi bal			Abi	wil		Fra	nig		
SPhagnu	M		Fra	x nigi	a	Abi 1	001		
						Ace 1	16		
	_								
	+				-		_		
Vetland Hy	drology	Indicators			_				
*A1 – Surfac water *A2 – High v		*B5 – Iron deposits B6 – Surface	soil	*B15 – I			surfac	- Thin muck ce Crayfish burrows	
table	and the same of th	cracks	3011	DIO IV	033 1	iiii iiics	-	Claylish bullows	
*A3 – Satura		*B7 – Inunda aerial imagery				gen sulfide	C9 – Saturation vision aerial imagery		
*B1 – Water	marks	*B8 – Sparse concave surfa	se veg. C2 – Dry-season wat			son water	*D1 -	Stunted or diplants	
*B2 – Sedimodeposits		*B9 – Water- stained leaves)	root			*D2 – Geomorphic position *D3 – Shallow aquitar		
*B3 – Drift deposits		B10 – Drainaş patterns	ge			ce of			
*B4 – Algal i crust		*B13 – Aquat fauna						Microtopographic	
*Denotes Pri	mary Indi	cator					*D5-	FAC-neutral test	
Representat	ive Hvd	ric Soils:							
Depth (in)	Horizon			Color	Re	dox. Featu	res	Other	
0-61	7	F 1-61		D L to		acri i cuttu	- 20	Other	

Hydric Soil Indicator & Reference: Histiz epi,
Other Soil Comments:

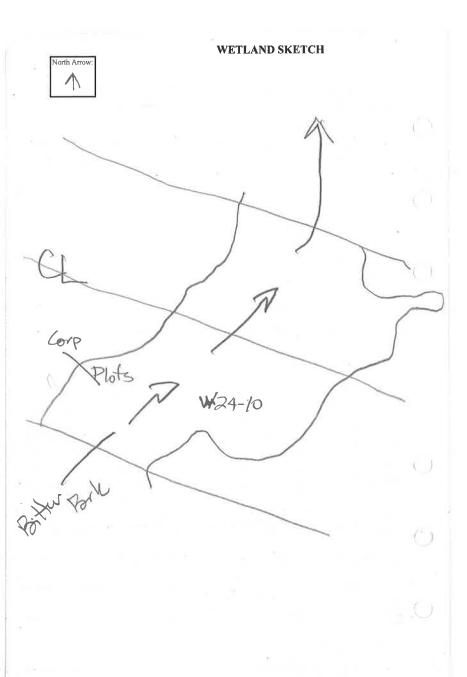
Exhibit C: WOSS Data Form Examples

WOSS
Data Form Examples

Segment 1

2	WETLANI	MREI D SUMMARY	FORM 20	15	
Observers:CP_/	BUP	Date:		2/2015	
Town: Brac stre	of Tup.		27		
Wetland ID: 24-10	41-39	(mile segment			
Stream/Waterbody Name:	Bitter	grook	Corps plot: Y	res No	
Dominant NWI Class:	254	Other NWI C		PF04	
1111 -	100	tative Wetland	971	1	~
XLN F	NC	1 Fo	rd own	oss stream	\sim
PICM	AR	al	og N	edgest 6	eow)
PHO C	AW			•	*
MYR	GAL				
SPI (-A7				
CAR	LAC				
Representative Wetland H	LAR				
5					
Surface Water	High Wa	ter Table	Saturated		
Surface Water (approximate depth - 18)					
Surface Water (approximate depth - 18) Hydrologic Indicators: Water Marks Algal Mat or Crust Other Observations:	Sedimer	nt Deposits	Water-S	tained Leaves	on Living Roots
Hydrologic Indicators: Water Marks Algal Mat or Crust Other Observations: Representative Wetland Soils:	Sedimer	nt Deposits	Water-S	tained Leaves	on Living Roots Texture
Hydrologic Indicators: Water Marks Algal Mat or Crust Other Observations: Representative	Sedime Drift De Hydrog	nt Deposits eposits , en Sulfide Odor	Water-S Thin Mu Oxidized	tained Leaves ich Surface I Rhizospheres	
Hydrologic Indicators: Water Marks Algal Mat or Crust Other Observations: Representative Wetland Soils:	Sedime Drift De Hydrog	nt Deposits eposits , en Sulfide Odor	Water-S Thin Mu Oxidized	tained Leaves ich Surface I Rhizospheres	
Hydrologic Indicators: Water Marks Algal Mat or Crust Other Observations: Representative Wetland Soils: Mineral Organic Other Observations:	Sedimel Drift De Hydrog	nt Deposits posits en Sulfide Odor Horizon	Water-S Thin Mu Oxidized	tained Leaves ich Surface I Rhizospheres	
Hydrologic Indicators: Water Marks Algal Mat or Crust Other Observations: Representative Wetland Soils: Mineral Organic Other Observations: Meets Army Corps NE-NC	Sedimet Drift De Hydrog Depth	nt Deposits posits en Sulfide Odor Horizon poplement Criter	Water-S Thin Mu Oxidized Color	tained Leaves ch Surface Il Rhizospheres Redox Features	Texture
Hydrologic Indicators: Water Marks Algal Mat or Crust Other Observations: Representative Wetland Soils: Mineral Organic Other Observations:	Sedimet Drift De Hydrog Depth	nt Deposits posits en Sulfide Odor Horizon poplement Criter	Water-S Thin Mu Oxidized Color	tained Leaves ch Surface Il Rhizospheres Redox Features	Texture
Hydrologic Indicators: Water Marks Algal Mat or Crust Other Observations: Representative Wetland Soils: Mineral Other Observations: Meets Army Corps NE-NC Wildlife Observation/Sign	Sedimet Drift De Hydrog Depth	nt Deposits posits en Sulfide Odor Horizon poplement Criter	Water-S Thin Mu Oxidized Color	tained Leaves ch Surface Il Rhizospheres Redox Features	Texture
Hydrologic Indicators: Water Marks Algal Mat or Crust Other Observations: Representative Wetland Soils: Mineral Organic Other Observations: Meets Army Corps NE-NC Wildlife Observation/Sign (Invasive Species: Yes Notes:	Sedimet Drift De Hydrog Depth Regional Su (e.g., tracks/tra	nt Deposits posits en Sulfide Odor Horizon poplement Criter	Water-S Thin Mu Oxidized Color	tained Leaves ch Surface Il Rhizospheres Redox Features	Texture
Hydrologic Indicators: Water Marks Algal Mat or Crust Other Observations: Representative Wetland Soils: Mineral Other Observations: Meets Army Corps NE-NC Wildlife Observation/Sign Invasive Species: Yes Notes:	Sedimet Drift De Hydrog Depth Regional Su (e.g., tracks/tra	nt Deposits posits en Sulfide Odor Horizon poplement Criter ils, droppings, de	Water-S Thin Mu Oxidized Color	tained Leaves ch Surface d Rhizospheres Redox Features	Texture
Hydrologic Indicators: Water Marks Algal Mat or Crust Other Observations: Representative Wetland Soils: Mineral Other Observations: Meets Army Corps NE-NC Wildlife Observation/Sign Invasive Species: Yes Notes:	Sedimet Drift De Hydrog Depth Regional Su (e.g., tracks/tra	nt Deposits posits en Sulfide Odor Horizon poplement Criter ils, droppings, de	Water-S Thin Mu Oxidized Color	tained Leaves ch Surface d Rhizospheres Redox Features	Texture
Hydrologic Indicators: Water Marks Algal Mat or Crust Other Observations: Representative Wetland Soils: Mineral Organic Other Observations: Meets Army Corps NE-NC Wildlife Observation/Sign of the Color of t	Sedimet Drift De Hydrog Depth Regional Su (e.g., tracks/tra	nt Deposits posits en Sulfide Odor Horizon poplement Criter ils, droppings, de	Water-S Thin Mu Oxidized Color	tained Leaves ch Surface d Rhizospheres Redox Features	Texture
Hydrologic Indicators: Water Marks Algal Mat or Crust Other Observations: Representative Wetland Soils: Mineral Organic Other Observations: Meets Army Corps NE-NC Wildlife Observation/Sign of the Color of t	Sedimet Drift De Hydrog Depth Regional Su (e.g., tracks/tra	nt Deposits posits en Sulfide Odor Horizon poplement Criter ils, droppings, de	Water-S Thin Mu Oxidized Color	tained Leaves ch Surface d Rhizospheres Redox Features	Texture
Hydrologic Indicators: Water Marks Algal Mat or Crust Other Observations: Representative Wetland Soils: Mineral Organic Other Observations: Meets Army Corps NE-NC Wildlife Observation/Sign Invasive Species: Yes Notes: WOSS: Yes No Type: General Notes:	Sedimet Drift De Hydrog Depth Regional Su (e.g., tracks/tra	Horizon Horizon poplement Criter ils, droppings, d.	Water-S Thin Mu Oxidized Color	tained Leaves ch Surface d Rhizospheres Redox Features	Texture

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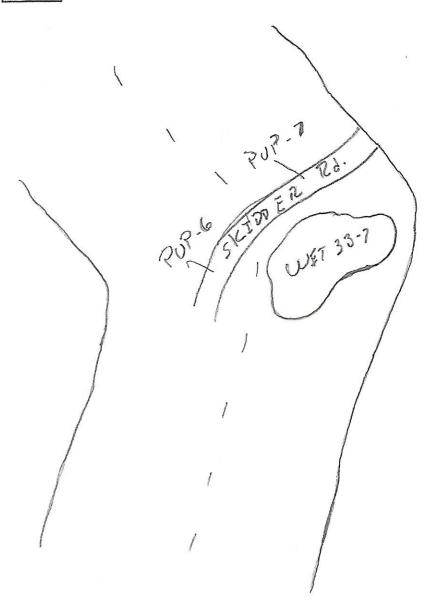
	NATES THE A 1	MREI			
Observers: MB -	CP-Jem		RY FORM 201	15 1 —	
Town:	1 / 1/2/101		te: 7/2	(1)	
West of the Control o	777	Map	- Andrews Control of the Control of	31	
Wetland ID: WET-	33-1	(mile segme	nt - wetland #)	2/	
Stream/Waterbody Name:	Drais		Corps plot: Ye	s No ★	
Dominant NWI Class: PEM/		Other NWI (entative Wetlan			
Trees. B. Fir			, egetatini.		
Trees. B. Fir	(regen)				
Herbs: Cinn.	Fem				
Cal. C	6n				
Carex	gyundra verry				
Bunchb	erey				
[Woo	d Sern thread				
Representative Westand II	drology				
Surface Water	X High Wat	er Table	V a	Surface	
	(approximate	depth - 4")	X Saturated (approximate de	epth -)	
Hydrologic Indicators:	Sediment	t Deposits	Water-Stai	ned Leaves	
Water Marks Algal Mat or Crust	Drift Dep → Hydrogen	oosits n Sulfide Odor	Thin Much	Surface	1::- 0
Other Observations:	71.		Oxidized [Rhizospheres on	Living Koots
Representative	Depth	Horizon	Color	Redox	Texture
Wetland Soils:	-	A	- 21	Features	TEATULE
X Mineral	0-7	10475	10472 1/2		
Organic Organic	2-12+	Ba	10426/1	40	Sil
Other Observations:			<u> </u>		
Meets Army Corps NE-NC I	Regional Suppl	lement Criteria			
Wildlife Observation/Sign (e	.g., tracks/trails	, droppings, dan	is/lodges, browse	, dens, egg mas	ses, etc.)
Invasive Species: Yes N	0 /				
Notes:	w <u>Z</u>				
WOSS: Yes V No.					
Type:					
General Notes:					

SKETCH ON BACK

Photo#

WETLAND SKETCH



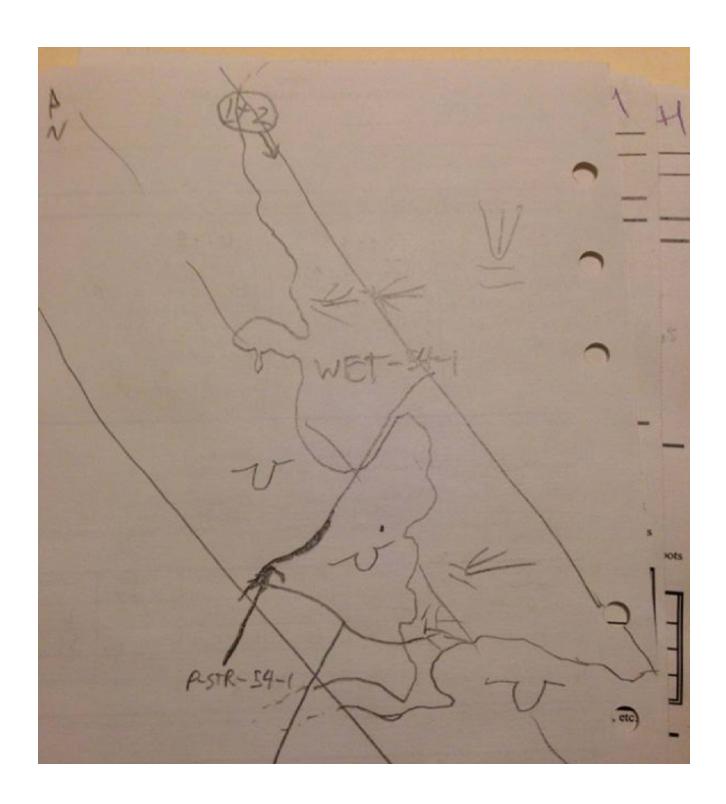


				MREI			
Observers:	HSW, JPB, SN		TLAND S	UMMARY F(Date:	ORM 2015 6/4/2015		
Town:				Map:			_
	West Forks			-			
Wetland ID:	WET-48-08		(mile	segment - wetlan	nd #)		
Stream/Wat	erbody Name:			Corps Plot	: Yes	No X	
Dominant NWI	Class:	PSS		Other NWI Class	ses:		
Clear cut a	Tree rea within last 5	yrs	-	ive Wetland Ver <u>S/S</u> ous idaeus	getation 	Herb Eliochris Onoclea sensi Solidago s	
•	ators: urks t or Crust) (Ap			Water S	X Saturated pproximate Depth ained Leaves ck Surface l Rhizospheres on I	·
Representative Wetland Soils	:		Depth	Horizon	Color	Redox Features	Texture
X Min	eral		0-2"	A	10YR3/1	N/A	SiL
Orga							
Oig	anc	<u> </u>					
Wildlife Obser	orps NE-NC revation/Sign (e.g.	gional Supp ., tracks/trai	ls, droppings.	iteria , dams/lodges, br gs, moose rubs,		X masses, etc.)	
Invasive Specie Notes:	es: Yes	sNo	X				
WOSS: Yes Type	X No						
General Notes:							

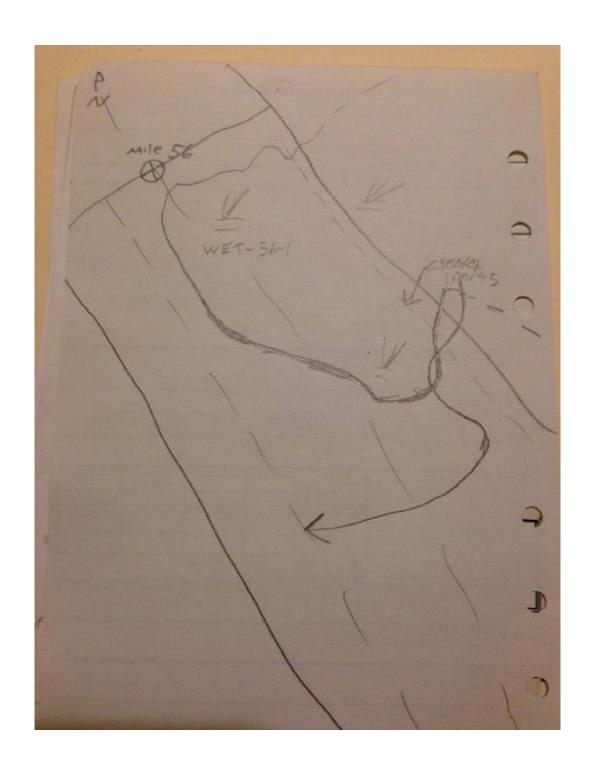
WOSS
Data Form Examples

Segment 2

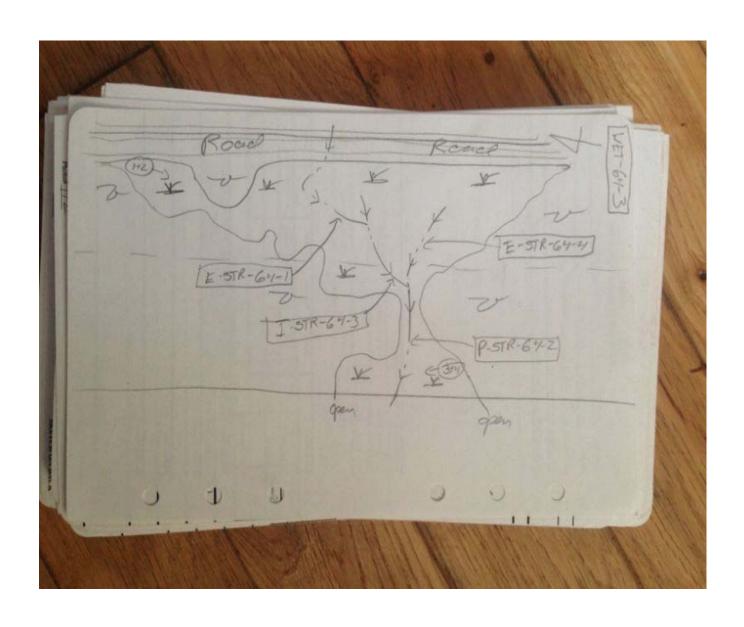
				MREI			
Observers:	JPB	WET	TLAND S	UMMARY FO Date:	ORM 2015 8/12/2015		
Town:	West Forks			Map:			
					1.00		_
Wetland ID:	WET-54-1		(mile	e segment - wetla	nd #)		
Stream/Wat	erbody Name:			Corps Plot	: Yes	No X	
Dominant NWI	Class:	PFO1/4E		Other NWI Class	sses: PSS		
		F	Representat	tive Wetland Veg	getation		
Thuia	Tree occidentalis		Alı	S/S nus incana		Herb Phalaris arundi	nacea
-	xinus nigra			ornus so		Carex crini	
	alleghaniensis		-	occidentalis		Osmunda clayto	
	er rubrum es balsamea			er rubrum ea tomentosa		Solidago s Equisetum s	
7101	25 oursumeu		Бриц	cu tomentosu		Onoclea sensi	-
Donnogontotivo	Wetland Hydr	ala av			ı		
Kepresentative	wenanu myur	ology					
	ace Water			Water Table		X Saturated	0 1
(Approximate I	Depth 3") (App	proximate D	Depth 0") (App	proximate Depth	0)
Hydraulic Indic	ators:	X Sedi	ment Depos	sits	X Water Stai	ned Leaves	
Water Ma			t Deposits		Thin Mucl	x Surface	Living Poots
Water Ma Algal Mat Other Observati	or Crust		t Deposits rogen Sulfic		Thin Mucl		Living Roots
Algal Mat	or Crust	Hyd	•		Thin Mucl	x Surface	Living Roots Texture
Algal Mat Other Observati	or Crust	Hyd	rogen Sulfic	de Odor	Thin Mucl Oxidized I	x Surface Rhizospheres on	_
Algal Mat Other Observati Representative	or Crust	Hyd	rogen Sulfic	de Odor	Thin Mucl Oxidized I	Rhizospheres on Redox	_
Algal Mat Other Observati Representative Wetland Soils	or Crust	Hyd	rogen Sulfic	de Odor Horizon	Thin Mucl Oxidized I	Redox Features	Texture
Algal Mat Other Observati Representative Wetland Soils X Mine	or Crust	Hyd	Depth 0-2"	Horizon A	Thin Mucl Oxidized I Color 10YR3/2	Redox Features N/A	Texture L
Algal Mat Other Observati Representative Wetland Soils X Mine Orga Other Observati	or Crust ions: eral unic ons: Rock refu	Hyd	Depth 0-2" 2-5"	Horizon A B	Thin Mucl Oxidized I Color 10YR3/2 10YR6/1	Redox Features N/A 10YR4/6	Texture L
Algal Mat Other Observati Representative Wetland Soils X Mine Orga Other Observati Meets Army C	or Crust ions: eral anic ions: Rock refu orps NE-NC ref	Hyd.	Depth 0-2" 2-5"	Horizon A B	Thin Mucl Oxidized I Color 10YR3/2 10YR6/1	Redox Features N/A 10YR4/6	Texture L
Algal Mat Other Observati Representative Wetland Soils X Mine Orga Other Observati Meets Army C	or Crust ions: eral anic ions: Rock refu orps NE-NC ref	Hyd.	Depth 0-2" 2-5"	Horizon A B	Thin Mucl Oxidized I Color 10YR3/2 10YR6/1	Redox Features N/A 10YR4/6	Texture L
Algal Mat Other Observati Representative Wetland Soils X Mine Orga Other Observati Meets Army C Wildlife Obser	or Crust ions: eral anic ions: Rock refu orps NE-NC refu vation/Sign (e.g	Hyd.	Depth 0-2" 2-5" Dlemental Colls, dropping	Horizon A B	Thin Mucl Oxidized I Color 10YR3/2 10YR6/1	Redox Features N/A 10YR4/6	Texture L
Algal Mat Other Observati Representative Wetland Soils X Mine Orga Other Observati Meets Army C	or Crust ions: eral anic ions: Rock refu orps NE-NC refu vation/Sign (e.g	Hyd.	Depth 0-2" 2-5"	Horizon A B	Thin Mucl Oxidized I Color 10YR3/2 10YR6/1	Redox Features N/A 10YR4/6	Texture L
Algal Mat Other Observati Representative Wetland Soils X Mine Orga Other Observati Meets Army C Wildlife Obser	or Crust ions: eral anic ions: Rock refu orps NE-NC refu vation/Sign (e.g	Hyd.	Depth 0-2" 2-5" Dlemental Colls, dropping	Horizon A B	Thin Mucl Oxidized I Color 10YR3/2 10YR6/1	Redox Features N/A 10YR4/6	Texture L
Algal Mat Other Observati Representative Wetland Soils X Mine Orga Other Observati Meets Army C Wildlife Obser Invasive Specie Notes:	or Crust ions: eral anic ions: Rock refu orps NE-NC re vation/Sign (e.g.	Hyd.	Depth 0-2" 2-5" Dlemental Colls, dropping	Horizon A B	Thin Mucl Oxidized I Color 10YR3/2 10YR6/1	Redox Features N/A 10YR4/6	Texture L
Algal Mat Other Observati Representative Wetland Soils X Mine Orga Other Observati Meets Army C Wildlife Obser Invasive Specie Notes:	or Crust ions: eral anic ions: Rock refu orps NE-NC re vation/Sign (e.g.	Hyd.	Depth 0-2" 2-5" Dlemental Colls, dropping	Horizon A B	Thin Mucl Oxidized I Color 10YR3/2 10YR6/1	Redox Features N/A 10YR4/6	Texture L
Algal Mat Other Observative Wetland Soils X Mine Orga Other Observati Meets Army C Wildlife Obser Invasive Specie Notes: WOSS: Yes Type Adjacent t General Notes:	or Crust ions: eral eral erors: Rock refu orps NE-NC refu vation/Sign (e.g	Hyd.	Depth 0-2" 2-5" Dlemental Colls, dropping	Horizon A B	Thin Mucl Oxidized I Color 10YR3/2 10YR6/1	Redox Features N/A 10YR4/6	Texture L
Algal Mat Other Observative Wetland Soils X Mine Orga Other Observati Meets Army C Wildlife Obser Invasive Specie Notes: WOSS: Yes Type Adjacent to	or Crust ions: eral eral erors: Rock refu orps NE-NC refu vation/Sign (e.g	Hyd.	Depth 0-2" 2-5" Dlemental Colls, dropping	Horizon A B	Thin Mucl Oxidized I Color 10YR3/2 10YR6/1	Redox Features N/A 10YR4/6	Texture L
Algal Mat Other Observative Wetland Soils X Mine Orga Other Observati Meets Army C Wildlife Obser Invasive Specie Notes: WOSS: Yes Type Adjacent t General Notes:	or Crust ions: eral eral erors: Rock refu orps NE-NC refu vation/Sign (e.g	Hyd.	Depth 0-2" 2-5" Dlemental Colls, dropping	Horizon A B	Thin Mucl Oxidized I Color 10YR3/2 10YR6/1	Redox Features N/A 10YR4/6	Texture L
Algal Mat Other Observati Representative Wetland Soils X Mine Orga Other Observati Meets Army C Wildlife Obser Invasive Specie Notes: WOSS: Yes Type Adjacent t General Notes:	or Crust ions: eral eral erors: Rock refu orps NE-NC refu vation/Sign (e.g	Hyd.	Depth 0-2" 2-5" Dlemental Colls, dropping	Horizon A B	Thin Mucl Oxidized I Color 10YR3/2 10YR6/1	Redox Features N/A 10YR4/6	Texture L



				MREI			
Observers:	JPB	WETL	AND SU	UMMARY FO Date:	ORM 2015 8/18/2015		
Town:	West Forks			Мар:			
Wetland ID:	WET-56-1		(mile	segment - wetla	nd #)		
wenand iD.	WE1-30-1		(IIIIIe	segment - wetta	iiu #)		
Stream/Wat	erbody Name:			Corps Plo	t: Yes	No X	
Dominant NWI	Class:	PFO1/4		Other NWI Clas	sses: PE	M	
Ac Abi	Tree exinus nigra cer rubrum es balsamea alleghaniensis	Rej	Frax Betula a	ive Wetland Ve <u>S/S</u> inus nigra alleghaniensis er rubrum	getation	Herb Phalaris arundi Onoclea sensi Osmunda cinnan Glyceria canac Solidago s Carex crini Cephalanthus occ	ibilis nomeum lensis p ta
_	ators: irks or Crust	X) (Appro Sedime Drift D Hydrog	ximate De	ts	X Water St	X Saturated opproximate Depth ained Leaves ck Surface Rhizospheres on l	0) Living Roots
Representative Wetland Soils	:	Do	epth	Horizon	Color	Redox Features	Texture
Mine	eral	0	-3"	0	Black	N/A	Hemic
X Orga							
A Olga	anic	-					
	ions: Rock refu lorps NE-NC reg vation/Sign (e.g.	ional Supplen			rowse, dens, egg	X masses, etc.)	1
Invasive Specie	es: Yes	No X					
Notes:							
WOSS: Yes Type With	X No nin 250' of Moxie	Pond					
.,,,,	1111 250 OT WORLE						



				MREI					
Observers:	SNH, LKH	WETLA	AND SUN	MARY F Date:	9/16/				
Town:	Bald Mountain	Twp T2 R3		Map:	58				-
Wetland ID:	WET-64-3	1	(mile se	gment - wetla					-
wenand ib.	WE1-04-3		(IIIIIe se	gment - wetta	iiiu #)				
Stream/Wat	erbody Name:			Corps Plo	ot:	Yes	No X		
Dominant NWI	Class:	PFO4E	Ot	her NWI Cla	sses:				
	Tree es balsamea a occidentalis	Repr	<u>S</u> Spire	Wetland Vo	egetatio		Carex tı Juncus alpir Phalaris aı Glyceria (erb isperma noarticulate rundinacea canadense gnum	s
_	ators: irks or Crust	X) (Approxi Sediment Drift Dep	mate Depti)	(App Water Stair Thin Muck	Satur roximate De ned Leaves Surface thizospheres	epth surfa	
Representative Wetland Soils	:	Dep	oth	Horizon		Color	Redox Feature		Гexture
Min	eral	0-1-	4"	0	10	0YR2/2	N/A		Hemic
X Orga	anic	RI	3						
Other Observati Meets Army C	ions: orps NE-NC reg	gional Suppleme	ntal Crite	ria	<u> </u>	2	X		
Wildlife Obser Moose sign/bea	vation/Sign (e.g. r sign	, tracks/trails, dre	oppings, da	ms/lodges, b	rowse,	dens, egg n	nasses, etc.)		
Invasive Specie Notes:	es: Yes	No <u>X</u>							
WOSS: Yes Type	X No								
General Notes: Within transmis	sion lines Right o	of Way, flags pull	ed along ro	oad					
Photo # 4							SKET	CH ON BAC	ĸ



				MREI				
Observers:	SNH, LKH	WETLA	ND SU	MMARY FO	ORM 201 9/16/201			
			_			3		
Town:	Bald Mountain	Twp T2 R3		Map:	58			
Wetland ID:	WET-64-6		(mile s	egment - wetla	nd #)			
Stream/Wa	terbody Name:			Corps Plo	t: Ye	s No	X	
Dominant NWI	Class:	PSS4E	C	Other NWI Clas	sses:			
	Tree	Repre	Picea Alnu	ve Wetland Ve S/S mariana s incana rea alba	getation 	,	<u>Herb</u> Juncus eff Barber pole Carex trisp	usus rush?
	ators: rks t or Crust	X (Approxin Sediment Drift Depo	nate Dep	3	Thi	nter Stained in Muck Sur	rface	
Representative Wetland Soils	:	Dept	th	Horizon	Col	or	Redox Features	Texture
X Min	eral	0-8'	,	0	10YF	R2/2	N/A	Sap
Org	anic	8-14	ļ" <u> </u>	A	10YF	R4/1	N/A	L
		RR						
Other Observati		<u> </u>		_		**		
Wildlife Obser Moose sign Invasive Specie	vation/Sign (e.g.,	ional Supplemen , tracks/trails, drop			owse, dens.	X, egg masse	s, etc.)	
Notes:								
WOSS: Yes Type	X No							
General Notes: Area outside pr	oject corridor has	s been recently ha	rvested					
Photo # 4							SKETCH	ON BACK

Acres .	
MREI /541	
Observery St. H Lie H Date 9/17/15	•
FITTILL TO 82 No. 2 CV	
Stream ID: P-57R-6-1-6 (mile segment - stream #)	
Stream/Waterbody Name:	
Stream Sketch: Seeth Arrow	
Road Road	
WE7-64-4	
0 4	
* JI (- 10 TWE7-64-6)	38
TP-STR-64-6]	
TUT (P.51K-61-6)	
0 1	
7 1 16	
121:	
R 1 70	
18 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
3 ,	
1 2 t - etang	
	T
Stream Data:	
Width (Bank-Bank) Perennial Intermittent Ephemeral Channel	
Depth @ Center_5"	
Bank Configuration: Unidercut Vertical Gradual	J.
Channel Substrate: Peat-MuckSilt-MudSandGravel/Cobble	
Boulder Bedrock	
Wildlife Observation/Sign (e.g., tracks/trails, droppings, dams/lodges, browse, dens, etc.)	
Notes: 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3
Notes: Clows through entrest between WET-64-6	
and ond	
[WET-64-5]	
1000	
Photos 1+2, 3+1	
Photos +Z	

			MREI				
Observers:	SNH, LKH	WETL	AND SUMMARY F Date:	ORM 2015 9/17/2015			
			_				
Town:	Bald Mountain	Twp T2 R3	Map:	58			
Wetland ID:	WET-64-10		(mile segment - wetla	and #)			
Stream/Wa	terbody Name:		Corps Plo	t: Yes	No X		
Dominant NWI	Class:	PEM1E	Other NWI Cla	sses: PF4E	3		
		Rep	resentative Wetland Ve	getation			
A 1	Tree ies balsamea	Ch	S/S umnaedaphne calyculutu		Herb Tumba latifa	ti.	
Picea mariana		Cii	Spirea alba	15	Typha latifolia Glyceria canadense		
			Picea mariana		Juncus effus		
		ļ					
Representative	Wetland Hydro	ology					
V Com	Coop Woton		High Water Table	,	X Saturated		
X Surf (Approximate I	face Water Depth) (Approxi	High Water Table imate Depth		X Saturated broximate Depth	to surface)	
			-				
Hydraulic Indic Water Ma		Sedimen Drift Dep	t Deposits	Water Stair Thin Muck	ned Leaves		
Algal Mat			n Sulfide Odor		Rhizospheres on L	iving Roots	
Other Observati	ions: Rivulets						
Representative	:	Dep	oth Horizon	Color	Redox	Texture	
Wetland Soils		-		+	Features		
Min	eral	0-3	0" О	10YR2/2	N/A	Sap	
V 0							
X Org	anic	-					
Other Observati		. 16 1	.10.		v		
_	orps NE-NC reg vation/Sign (e.g		ntal Criteria oppings, dams/lodges, br		X asses etc.)		
, nume obser	various pign (e.g.	, unons, uno, uno	,ppings, dams/roages, or	swee, dens, egg m	isses, etc.)		
Invasive Specie Notes:	es: Yes	No X					
notes.							
WOSS: Yes	X No						
Type Peatland							
General Notes:							
Flags pulled nea	ar/in sigh of road						
Photo # 4					SKETCH O		

Feature(s) ID: WET = 74-102

Routine Wetland Field Data Form

Date: 5/20/17 Project Name: QMI
Job #: 532 Cowardin Class(es) & %: PEM, PSS
Observers: 7. Royle C. Flintste Photo(s) #: Z
Comments: WOSS (Deer Wintering Area)

Dominant Vegetation (by stratum):

Herbs	Herbs (cont.)	Shrubs/Saplings	Trees	Vines
Pha are		AID inc	1	/
ano sen				1
25m cin			\ /	
Ald inc			X	X
			/	

Wetland Hydrology Indicators:

Perm. Flooded	Seasonal	ly Flooded/Saturated	Saturated
(approx. depth:) (approx. dept	h:)	
*A1 – Surface water	*B5 – Iron deposits	*B15 – Marl deposits	*C7 – Thin muck surface
*A2 - High water table	B6 – Surface soil cracks	B16 – Moss trim lines	C8 – Crayfish burrows
*A3 – Saturation	*B7 – Inundated aerial imagery	*C1 – Hydrogen sulfide odor	C9 – Saturation visible on aerial imagery
*B1 – Water marks	*B8 – Sparse veg. concave surface	C2 – Dry-season water table	*D1 – Stunted or stressed plants
*B2 – Sediment deposits	*B9 – Water- stained leaves	*C3 – Oxidized rhizospheres - living root	*D2 – Geomorphic position
*B3 – Drift deposits	B10 – Drainage patterns	*C4 – Presence of reduced iron	*D3 – Shallow aquitard
*B4 – Algal mat or crust	*B13 – Aquatic fauna	*C6 – Recent iron reduction in tilled soils	*D4 – Microtopographic relief
*Denotes Primary Inc	dicator		*D5-FAC-neutral test

Representative Hydric Soils:

Depth (in)	Horizon	Texture	Color	Redox. Features	Other
0-8	A	104R212	SIL	-	
		0000	Deri	100 0 × 001	
		KUCK	K-40	1 09 0	

Hydric Soil Indicator & Reference: Other Soil Comments: WOSS
Data Form Examples

Segment 3

MOSS - 2116011

Feature(s) ID:

Routine Wetland Field Data Form WET - 78-05

Date: 5	1.25117	Project Name:
ob #:	532	Cowardin Class(es) & %: PFO 4E (80) PEM/SS
Observers:	HOW CJF	Photo(s) #:
ommonte.	Cedar sw	

Dominant Vegetation (by stratum):

Herbs	Herbs (cont.)	Shrubs/Saplings	Trees	Vines
rubpub		thu occ	thu occ	(7)
mai car	\	bet all	· bet all	7
	W. T			
100				
		181		

Wetland Hydrology Indicators:

Perm. Floode	d Seasonal	ly Flooded/Saturated	Saturated
(approx. depth:) (approx. dept	h:)	
*A1 – Surface water	*B5 – Iron deposits	*B15 – Marl deposits	*C7 – Thin muck surface
*A2 - High water table	B6 – Surface soil cracks	B16 – Moss trim lines	C8 – Crayfish br ws
*A3 - Saturation	*B7 – Inundated aerial imagery	*C1 – Hydrogen sulfide odor	C9 – Saturation visible on aerial imagery
*B1 - Water marks	*B8 – Sparse veg. concave surface	C2 – Dry-season water table	*D1 – Stunted or stressed plants
*B2 – Sediment deposits	*B9 - Water- stained leaves	*C3 – Oxidized rhizospheres - living root	*D2 – Geomorphic position
*B3 – Drift deposits	B10 – Drainage patterns	*C4 – Presence of reduced iron	*D3 – Shallow aquitard
*B4 – Algal mat or crust	*B13 – Aquatic fauna	*C6 – Recent iron reduction in tilled soils	*D4 – Microtopographic relief
*Denotes Primary In	dicator		*D5-FAC-neutral test

Representative Hydric Soils:

Depth (in)	Horizon	Texture	Color	Redox. Features	Other
0-16+	- /	org	6116		THE LEE
		0			
0					

Hydric Soil Indicator & Reference:

Other Soil Comments:

Nat'I Ind.

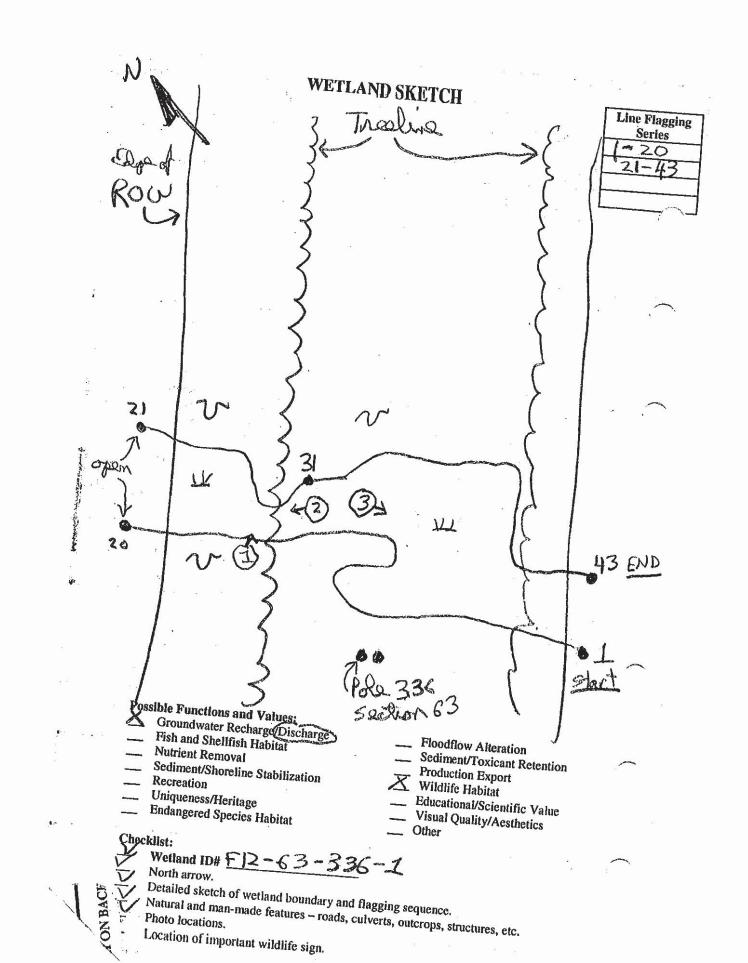
■RTE Habitat	
GPS Tech:	GPS File:
Sfroom Dat	a•
Stream Nam	e: STR-95-2 Wetland:no wetland
wetland:	95-5 36!! Max Depth: 6!! Per:Int: X
Rank Type	vertical gradual undercut other: yertical gradual undercut other: mud gravel sand bedrock \(\sqrt{0} \)
Substrate (>	30%): X mud gravel sand bedrock X 100
peat/m	ack
	1 670-95-1
Stream Nam	ne: -STR-95-1 Wetland:no wetland
wetland:	95-5 36" Max Depth: 6" Per: Int: X
Bank Tyne:	vertical gradual v undercut other:
Substrate (>	vertical gradual undercut other: 30%: mud gravel sand bedrock fock
peat/m	uck
Notes:	
SKETCH:	wetland (&) stream ID:
(include: No	orth Arrow, Photo # and Location/Direction, Landmarks, Flag
SKETCH: (include: No locations)	orth Arrow, Photo # and Location/Direction, Landmarks, Flag
(include: No	orth Arrow, Photo # and Location/Direction, Landmarks, Flag
(include: No	orth Arrow, Photo # and Location/Direction, Landmarks, Flag
(include: No	orth Arrow, Photo # and Location/Direction, Landmarks, Flag
(include: No	orth Arrow, Photo # and Location/Direction, Landmarks, Flag
(include: No	orth Arrow, Photo # and Location/Direction, Landmarks, Flag
(include: No	orth Arrow, Photo # and Location/Direction, Landmarks, Flag
(include: No	orth Arrow, Photo # and Location/Direction, Landmarks, Flag
(include: No	orth Arrow, Photo # and Location/Direction, Landmarks, Flag
(include: No	orth Arrow, Photo # and Location/Direction, Landmarks, Flag
(include: No	orth Arrow, Photo # and Location/Direction, Landmarks, Flag
(include: No	orth Arrow, Photo # and Location/Direction, Landmarks, Flag
(include: No	orth Arrow, Photo # and Location/Direction, Landmarks, Flag
(include: No	orth Arrow, Photo # and Location/Direction, Landmarks, Flag

WET-100-05

•1		ower Relial			Team
Observers: GEKF	· WETLA	AND SUMM	ARY FOR	M10-4-0	7
· Segment #: 12 C	MP Section #	:68_ CM	P Pole #33	6 Wetland II	
Stream/Waterbody ID:	Class PC	1//1 -	PEM 1	Other NWI Clas	Yes_X_No
		e Wetland Ve			1808:1 3-5_1
Gray fired (occer rub (sen rub.	TSOUD)	ب لم		Rough	INSUS
acer ruly (T, Souly	URAC	ex John	Found	ower_
San wala.	7 - 4-7	IN A RO	min 7	7	
One sens.	H	emlack	_ (5apl)		•
-1141 20014		ntative Wetla		v	
gr			-	•	
Permanently Flo (approximate depth -		(approximate	onally Floode Coopth	d	_ Saturated
Hydrologic Indicator	s:Si	lt Deposition		, Water-Stain	ed Leaves
		Drift L	- Parkers	Surface Sco	
Other Observations:	ratterns		nucesseo 11	ees Blevat	ed Koots
Representative	Depth	Horizon	Color	Redox	Texture
Wetland Solls: Mineral	0-3	· A	542.5/1	Features	50 (0
Organic	3-10	Bw 1-	SYS/2	2.574/4	50 5
	10-15+	Bw 2	54-5/2	h h	Colosa
011					
Other Observations: Meets NEIWPCC (2004) (Criteria V		>10951	Xalas	
Stream # 1 Data:					
Width (Bank-Bank):	Depth @	Center:	Peren.	Intermit	tent
Bank Configuration: Channel Substrate:Pear		ilt-Mud Sa	rtical	Gradual	older
		Bedroo			
Stream # 2 Data	David A	Chicago de Santa de S	Design	W	
Width (Bank-Bank): Bank Configuration:	Depth_@ Undercut		Peren.	Intermit	tent
Channel Substrate: Pea		ilt-MudSa	ndGrave	l/CobbleBo	ulder
Wildlife Observation of	- (a a bre-ter)	Bedroo			
Wildlife Observations/Sign potential VP):	i (e.g., tracks/	umis, droppinį	s, cams/iodg	es, browse, dens,	egg masses,
Notes: Cual d	Springe	soon d	agasa	or into K	ALY .
in The said	0	AINTAL	707	white was	NW
W WENDING OF		(my	- African		
□Cedar Swar	mp.	Ð	Wetland of S	pecial Significan	ce
4 (00)	2 2		7.0		
Photo # 109)	<i>ج</i> ر ہے			SKET	TCH ON BACK

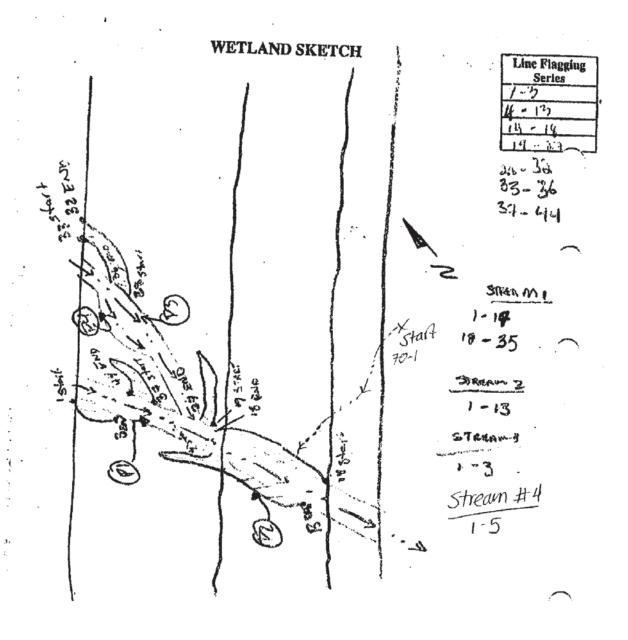
T3-2 Soud hydro Soud hydro

•	<u>, .</u>					
		Maine Po	wer Reliab	ility Proje	ect	Team
	CCH	C WETLA	AND SUMM	ARY FOR	M10-4-0	7
	Observers: (56) KI			Date:	1-43	9
	Segment # : 12 ('MP Section #	68 CM	ے: Series S کی# P Pole #	Wetland II)#: <u>1</u>
	Stream/Waterbody ID:	J			Corps plot :	A 4
_	Dominant NV	VI Class: PFC		EM1	Other NWI Class	ises: \$551
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	Hydrologic Indicate	ors:Si	lt Deposition		Water-Stain	
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	Other Observations:	Patterns		Dutaessea 11	CCS DIC VIII	ou Roots
	Chief Constitutions.					
·	Representative	Depth	Horizon	Color	Redox	Texture
	Wetland Soils:		<u> </u>	1005 ch	Features	 _ ,
	Mineral	0-3		572,511	2 <u> </u>	20.00
	Organic	3-10	Bus I	64712	1) 1	Colosa
		(C) 150 1	2002	1 - / -		
	Other Observations:	17	1	- · · o/	Λ	
	Meets NEIWPCC (2004)	Criteria 🔽	<u> </u>	>10/3/	UDDOK.	
	Stream # 1 Data:			D	Intermi	Hamil
	Width (Bank-Bank): Bank Configuration:	Depth @ Undercut		Peren.	Gradual	
	Channel Substrate:Pe	at-MuckS				ulder
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	Stream # 2 Data	Donate 6	Carrier Manager St. St. Carrier	Daman	Intermi	ttont
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	Channel Substrate: Pe				el/CobbleBo	ulder
-	The state of the s		Bedro	ck		
	Wildlife Observations/Si	gn (e.g., tracks	trails, droppin	gs, dams/lodg	es, browse, dens	, egg masses,
	potential VP):					
	N. d. A	h ^		· .	, ed.,)	7/ 4/15
**	Notes: Couple of	- Spilmy	respiral	ussappe	a colmina do colmina d	Z V VX
	& lanuta mi	Lauras	47521Y C	- 11	Drainb To	· MOO
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	□Cedar Sw	amp		Wetland of S	Special Significar	ice
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	Photo # Photo #	-) · ·			SKE	TCH ON BACY



WET-103-11

	·. ·	Mai	ne Power I	Reliab	ility Pro	ect	Team 5
· .	Ohaania	yy 	ETLAND S	UMM			a 2
	Observers:				Date:		28-31
	TOWN: IVE	W SHARON			Series :		
	Segment #:	CMP Se	ction#: 65	_ CM	P Pole #:	Wetland I	D#: _1
	Stream/Watert	ody ID: F12	do 3-320	1-1-	1.2	Corps plot :	Yes_\/N
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•	Hydrologic	Indicators:	Cite Dance	ist		***	
	ri yatologic		Silt Depos			Water-Stain	
	7	Water Marks		Drift Li		Surface Sco	uring
*		Orainage Pattern:		_ E	Suttressed Ti	ces Blevat	ed Roots
	Other Observation	5:					,
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	Wetland So				COIOE .		Texture
	Mine		5 00			Features	
	Organ				Page 199		
	Organ	Elizabeth di Automotiva di			1078 3/2	NICHY CAC	VESL
الاستعداد		364	B		OTET	at C040	
the checked soils hydropheg soils added stream#3		. [
5.1911	Other Observation	ns;					
112 (1)	Meets NEIWPCC	(2004) Criteria	778				
71300	Stream # 1 Data:						
- Wed is	Width (Bank-Bank	Paris De	pth @ Center:	21	n	/	
chellingal SOID	Bank Configuration	u:Under	pui w Comer:		Peren.		ent
dropped	Channel Substrate	Post Music	AUC	Verti	Cal	Gradual	
My . 12	Channel Substrate:	FCAL-IVITICK	PASIN-MIN	LANGE	a <u>Zurav</u> c	I/Cobble 🚛Bou	lder
- Lean # 3			1	Bedrock		•	
y a Shee	Stream # 2 Data	-y '		17 1		/	
-ddea-	Width (Bank-Bank)		pth @ Center:		Peren.	Intermitt	ent
000 1011	Bank Configuration		fp	_ Verti	ca1	Gradual	;
1321/4	Channel Substrate:	Peat-Muck	Silt-Mud	√Sano	Grave	/CobbleBou	lder
added: width: 18" depth: 6" intermittent sandigrave/ substrate: cobble			E	Bedrock		,	
dopth. West varavel	Wildlife Observati	ons/Sign (e.g., t	racks/trails, dro	oppings	dams/lodge	e browee dans a	GD TOURS
Lamiti condis	potential VP):	ale and the	a. Alasi	4	'n La	31 010 Wac, UC113, C	ER maraca.
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	Notes:						
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	□ Ced	lar Swamp		tow	etland of Sn	ecial Significance	1
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	Photo #	∵Ч .				ENT/ FAITH	Orrows and

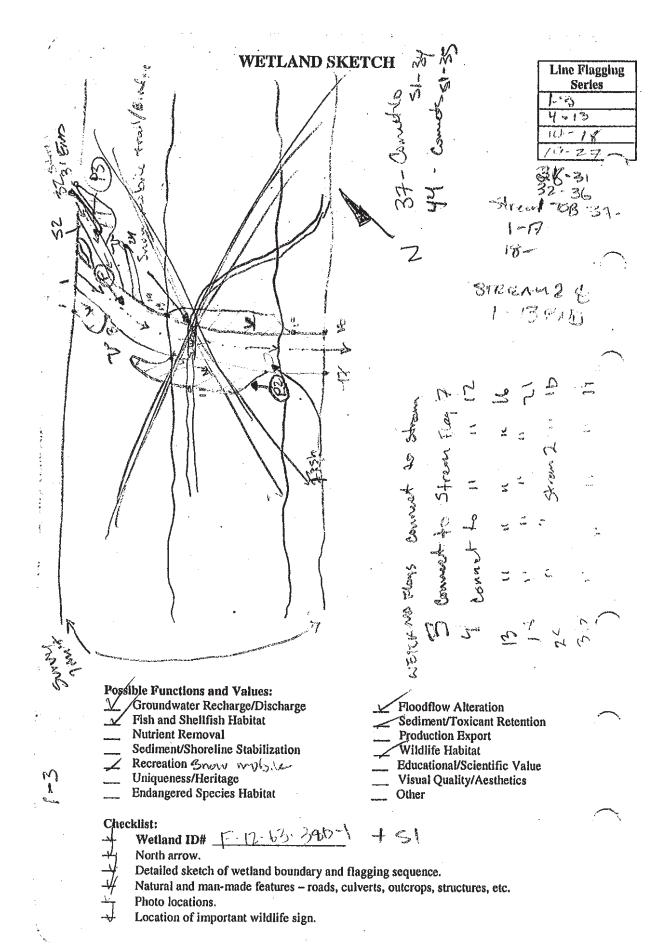


Possible Functions and Values:	
Groundwater Recharge/Discharge Pish and Shellfish Habitat Nutrient Removal Sediment/Shoreline Stabilization Recreation Uniqueness/Heritage Endangered Species Habitat	Floodflow Alteration Sediment/Toxicant Retention Production Export Wildlife Habitat Educational/Scientific Value Visual Quality/Aesthetics Other

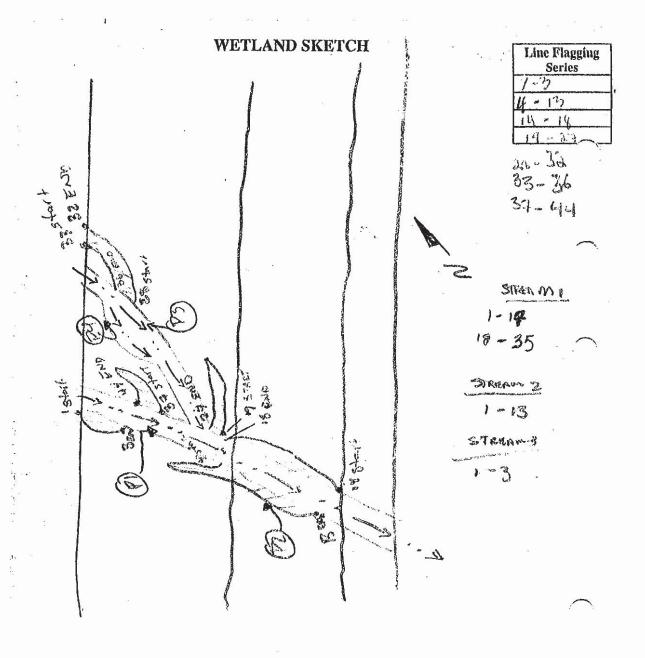
Checklist:

- Wetland ID# F-17-13-380-1 Cont-
- North arrow.
- Detailed sketch of wetland boundary and flagging sequence.
- Natural and man-made features roads, culverts, outcrops, structures, etc.
- Photo locations.
- Location of important wildlife sign.

	WETL	ower Relia AND SUMM	IARY FOR	M	Team
Observers: \(\sigma\)	$\Delta(i, \lambda)$		Date: / 6	Du1-07	26-31
Town: NEW SILA Segment #: 12 C	CON	1 2 20	Series :	13 9-13 14	-18 19-27
Stream/Waterbody ID:	MP Section #	7: 627 CM	IP Pole #:	Wetland I	D#:Nio
Dominant NW	I Class: PG	165% D	COYLL US	Corps plot	near Other 10
		ve Wetland Ve			3363. [[EXIV # 12
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.5 %			-	•	r e
Hydrologic Indicator	s:S	ilt Deposition	-	Water-Stain Surface Sci	ed Leaves
	Marks _	Drift I	ines	Surface Sci	ouring
Other Observations:	ratierns		Buttressed T	rees _ Leval	ted Roots
3					
Representative	Depth	Horizon	Color	Redox	Texture
Wetland Soils:				Features	
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	200				
Organic	5-20	A	1878 3/2	interiations	VESL
Organic	30°	A B	10187	WIEYY CAD	VPSL.
	5-20°			1 1	V PSC
Other Observations:	304	8		1 1	V SL
Other Observations: Teets NEIWPCC (2004) C	20° Criteria <u>IZA</u>	+3 	ICHE Y	1 1	V 3C
Other Observations: Acets NEIWPCC (2004) Cotream # 1 Data: Vidth (Bank-Bank):		Center: 2	Peren.	e conc	
Other Observations: Acets NEIWPCC (2004) Colored tream # 1 Data: Vidth (Bank-Bank):	Criteria 177 Depth @ Undercut	Center: 2	Peren.	Intermit	tent
Other Observations: Acets NEIWPCC (2004) Colored tream # 1 Data: Vidth (Bank-Bank):	Criteria 177 Depth @ Undercut	Center: 2 Ver	Peren.	Intermit	tent
Other Observations: Meets NEIWPCC (2004) Contream # 1 Data: Vidth (Bank-Bank): Bank Configuration: Channel Substrate: Peat-	Criteria 177 Depth @ Undercut	Center: 2 Verilt-Mud \(\sum \) Bedroo	Peren. rtical nd Grave	Intermit	tent
Other Observations: Meets NEIWPCC (2004) Control Stream # 1 Data: Width (Bank-Bank): Bank Configuration: Channel Substrate: Peator Stream # 2 Data Width (Bank-Bank):	Depth @ Undercut-MuckS	Center: 2 Verilt-MudSal	Peren	Intermite Gradual I/Cobble 1 Bot	tent
Other Observations: Meets NEIWPCC (2004) Control Stream # 1 Data: Width (Bank-Bank): Bank Configuration: Channel Substrate: Peator Stream # 2 Data Width (Bank-Bank):	Depth @ Undercut-MuckS	Center: 2 Verilt-MudSal	Peren	Intermite Gradual I/Cobble 1 Bot	tent
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Organic Other Observations: Meets NEIWPCC (2004) Control of the servations: Width (Bank-Bank): Channel Substrate: Channel Subst	Depth @ Undercut Depth @ Undercut Muck Si Undercut Muck Si (e.g., tracks/	Center: 2 Ver ilt-Mud \sai Bedroc Center: Ver ilt-Mud \sai Bedroc trails, dropping	Peren. rtical ndGrave k grave k s, dams/lodge	Intermite Gradual il/Cobble Bot Intermite Gradual I/Cobble Bot	tent ilder
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Observers:	MW		Date:	10-1-0	7
10Wn:			Series :		
Segment #:	CMP Section :	#: 63 CN	IP Pole #: 💈	80 Wetland	#:
Stream/Waterbody ID:				Corps plo	t :Yes_X
Dominant N	WI Class:			Other NWI C	
STREAM	Representati	ive Wetland Ve	getation (by	Strata):	
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water	r iviarks _	Drift I	ines	Surface S	couring
Other Observation	Patterns		Buttressed T	reesBlev	ated Roots
Other Observations:		·	·		
Representative	Depth	Horizon	Color	Rédox	Textu
Wetland Soils:				Features	
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Organic		ļ 			
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Other Observations					
Other Observations: Meets NEIWPCC (2004)	Criteria				
Meets NEIWPCC (2004)	Criteria				
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Meets NEIWPCC (2004) Stream # 1 Data: 52 Width (Bank-Bank): Bank Configuration: Channel Substrate: Pea	Picalo 4 Depth @ _Undercut it-MuckS	ilt-Mud _/Sar Bedroc	dGrave k	l/CobbleBo	oulder
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Meets NEIWPCC (2004) Stream # 1 Data: Sy Width (Bank-Bank): Bank Configuration: Channel Substrate: Pea Stream # 2 Data Width (Bank-Bank): Bank Configuration: Channel Substrate: Pea Wildlife Observations/Sign potential VP):	Pholo G Depth @ _Undercut it-MuckSiDepth @ _Undercut t-MuckSi n (e.g., tracks/	ilt-Mud _/Sar Bedroc Center:Vert ilt-MudSan Bedroct trails, droppings	dGrave k Peren. ical dGrave k	//CobbleBo	oulder mittent
Meets NEIWPCC (2004) Stream # 1 Data: Substrate: Pea Width (Bank-Bank): Bank Configuration: Pea Stream # 2 Data Width (Bank-Bank): Bank Configuration: Channel Substrate: Pea Wildlife Observations/Sign	Pholo G Depth @ _Undercut it-MuckSiDepth @ _Undercut t-MuckSi n (e.g., tracks/	ilt-Mud _/Sar Bedroc Center:Vert ilt-MudSan Bedroct trails, droppings	dGrave k Peren. ical dGrave k	//CobbleBo	oulder mittent
Meets NEIWPCC (2004) Stream # 1 Data: Sy Width (Bank-Bank): Bank Configuration: Channel Substrate: Pea Stream # 2 Data Width (Bank-Bank): Bank Configuration: Channel Substrate: Pea Wildlife Observations/Sign potential VP):	Pholo G Depth @ _Undercut it-MuckSiDepth @ _Undercut t-MuckSi n (e.g., tracks/	ilt-Mud _/Sar Bedroc Center:Veri ilt-MudSan Bedroc	dGrave k Peren. ical dGrave k	//CobbleBo	oulder mittent
Meets NEIWPCC (2004) Stream # 1 Data: Sy Width (Bank-Bank): Bank Configuration: Channel Substrate: Pea Stream # 2 Data Width (Bank-Bank): Bank Configuration: Channel Substrate: Pea Wildlife Observations/Sign potential VP):	Pholo G Depth @ _Undercut it-MuckSiDepth @ _Undercut t-MuckSi n (e.g., tracks/	ilt-Mud _/Sar Bedroc Center:Vert ilt-MudSan Bedroct trails, droppings	dGrave k Peren. ical dGrave k	//CobbleBo	oulder mittent
Meets NEIWPCC (2004) Stream # 1 Data: Sy Width (Bank-Bank): Bank Configuration: Channel Substrate: Pea Stream # 2 Data Width (Bank-Bank): Bank Configuration: Channel Substrate: Pea Wildlife Observations/Sign potential VP):	Pholo G Depth @ _Undercut it-MuckSiDepth @ _Undercut t-MuckSi n (e.g., tracks/	ilt-Mud _/Sar Bedroc Center:Vert ilt-MudSan Bedroct trails, droppings	dGrave k Peren. ical dGrave k	//CobbleBo	oulder mittent
Meets NEIWPCC (2004) Stream # 1 Data: Sy Width (Bank-Bank): Bank Configuration: Channel Substrate: Pea Stream # 2 Data Width (Bank-Bank): Bank Configuration: Channel Substrate: Pea Wildlife Observations/Sign potential VP):	Pholo G Depth @ _Undercut it-MuckSiDepth @ _Undercut t-MuckSi n (e.g., tracks/	ilt-Mud /Sar Bedroc Center: Ver ilt-Mud San Bedroc trails, droppings	Peren. ical dGrave k dGrave k dGrave	//CobbleBo	oulder mittent

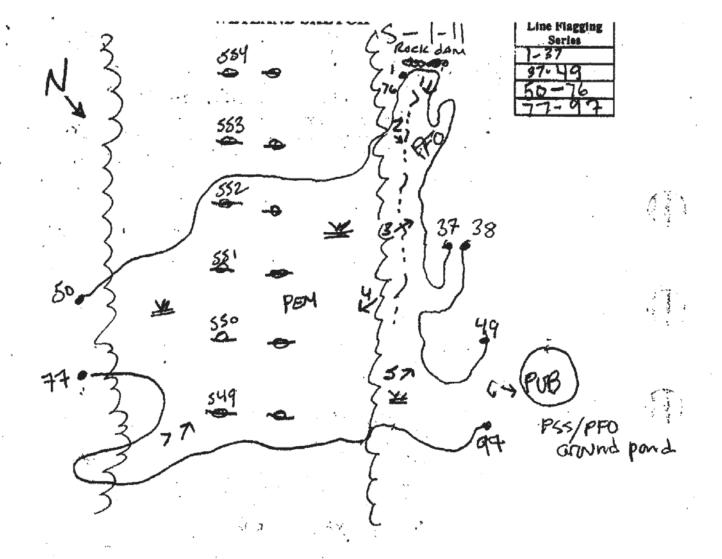


Possible Fun-	ctions and Values:		
	water Recharge/Discharge	Floodflow Alteration Sediment/Toxicant Retenti	
- Marie Committee of the Committee of th	l Shellfish Habitat	✓ Sediment/Toxicant Retenti	on
	Removal	Production Export	
	nt/Shoreline Stabilization	Wildlife Habitat	
Recreati		Educational/Scientific Value	ıe
	ess/Heritage	Visual Quality/Aesthetics	
Endange	ered Species Habitat	Other	
Checklist: Wetlan	d 1D# <u>F-17-13-38</u>	30-1 cont.	

- Detailed sketch of wetland boundary and flagging sequence.
- Natural and man-made features roads, culverts, outcrops, structures, etc.
- Photo locations.
- Location of important wildlife sign.

WIET-	. 116-05	
WEI	Majne Power Reliability Project WETLAND SYMMAN Project	
V	Observers: OE/F/WC SUMMARY FORM	
. *	Segment #: 14 Chris and Series	
	Stream/Waterbody ID: F. W. 1. 2 CMP Pole #: 534 Wetland #:	
٠.	No No	
	Representative Westernd Vocability Other NWI Classes: DEMIE IN	n.
, ,	Deval 14 Clear 140	U
	Phanic Spiale TIPLAT CALCAN	
-	PRAPTH NEM MUE SCICYT GROSEN	
	SAR WE COM OIN FOR	
: 1:	X Permanent Florida Wetland Hydrology	
	(approximate death in Seasonally Flooded) OSM (C	٩
	(approximate depth - 811)	٦
	Hydrologic Indicators: Silt Deposition Water-Stained Leaves	
	Drainage Patterns Surface Scouring	
1	Inundations: Builtressed Trees Elevated Roots	
ž. /	Representative	
	Wetland Solls: Color Redox Texture	
•	Mineral 2-0 0; Features Organic 0-5 A layer	
	A CO WARRIE 17. SIL	
	Sed HIN Warren	
	Meets NEIWPCC (2004) Criteria V C3 4104 Soreaky FSIL	•
	Stream # 1 Data: AND	
	Width (Bank-Bank): 51 Depth @ Center: 51 Peren. X Intermittent	
	Channel Substrate: Past Novi Gradual	
	Small or care of Silt-Mud Sand Sand Square Cobble Boulder Stream # 2 Data	•
	Width (Bank-Bank): Denth @ Contage	
	Channel Substrate: Page Month Court Vertical Gradual	
2.7	Bedrock Bedrock Boulder	
	Wildlife Observations/Sign (e.g., tracks/trails, droppings, dams/lodges, browse, dens, egg masses,	
	Covote 500 Dana 6B Heran	
	moose Red Sq.	
	deen	
	Notes:	
	This is a lorge wetlend system - Pristine Win treeline - Pond was noted in Spring as a SVP. Thick organic soil in Much of orea - rocky - pit/mound. Declar Swamp Wetland of Special Significance	
4	Pond was notes in spring as a SVP. Thick organic soil	
	IN Much of orea - Yorky - profinound.	
V.,2	UCedar Swamp Wetland of Special Significance	
	Photo #O SKETCH ON BACK	
,	ROCK Dam separates 14-63-555 SI Som.	
Hayden	14-63-55451	

Sam Hay 19/17 vy, Soil, hylo good. Extended & bound on E side



Not to Scale ? 00

Possible Functions and Values:

Groundwater Recharge/Discharge

Fish and Shellfish Habitat

Nutrient Removal

Sediment/Shoreline Stabilization Recreation WV NYing

Uniqueness/Heritage

Endangered Species Habitat

Floodflow Alteration

Sediment/Toxicant Retention Production Export

Wildlife Habitat

Educational/Scientific Value

Visual Quality/Aesthetics

Other

Çbecklist:

Wetland ID# F-14-63-554 WI/S1

Detailed sketch of wetland boundary and flagging sequence.

Natural and man-made features - roads, culverts, outcrops, structures, etc.

Photo locations.

Location of important wildlife sign.

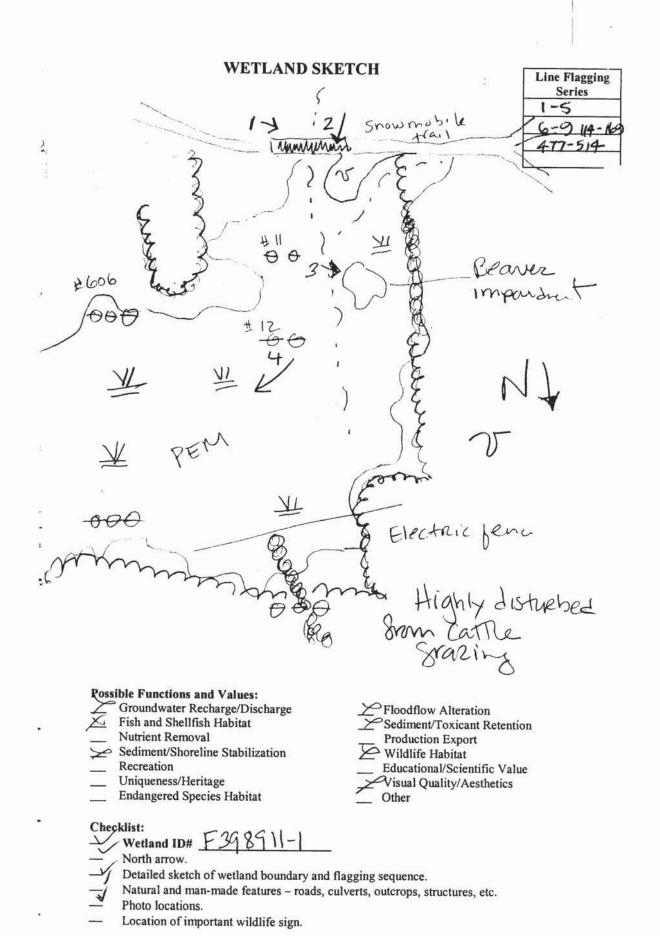
Sam Hayden 5/2/17 Plot data matches Field amoditions.

F.14.63.554 WI PROJECT TITLE MPRP TRANSECT: 1 DELINEATORISIZE Francine/s. Everettoate: 8.18.07 D NWI Status Dominance. VEGETATION Percent Stratum and Species S PALNINE 40% 40/60 67 ACERUR 20% 20/60 37 HOSMCIN 75% 75/95 79 EQUISYL 10% 10/95 11 ONO SEN 10% 10/95 11 FACW FAC HYDROPHYTES NON-HYDROPHYTES OBL FACW FACU UPL Non-hydrophytes Subtotal (B): Hydrophytes Sublotal (A): 4 PERCENT HYDROPHYTES (100A/A+B): HYDROLOGY RECORDED DATA identification: NO RECORDED DATA OBSERVATIONS: Depth to Free Water.

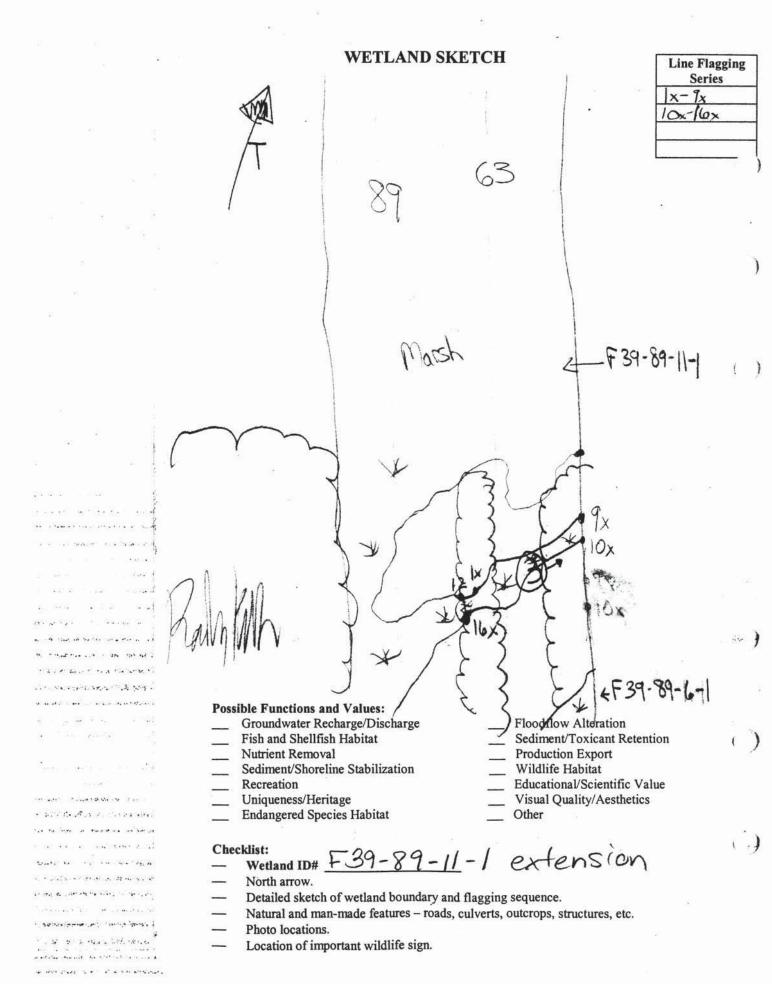
Depth to Saturation (including capillary fringe) Aftered Hydrology (explain): ☐ Inundated Saturated in Swaler Marks ☐ Difft Lines ☐ Sediment Deposits Preinage Patterns OTHER (explain): within Welland

BANE-CO-R-PF: Version J / VIO Pege 1

N 2		ower Relia			Team_F
Observers: SE/M	WETL	AND SUMM	IARY FOR	M	
Observers: 22/101	CHEL		Date:	1.18.01	
Observers: SE/M Town: Uve(ma) Segment #: 39	CMP Station	100000	Series :	7	
Stream/Waterbody ID:	SAMP AS	F3989	IP Pole #:	Wetland ! Coms plot	D#: Yes X No
Dominant NW	The state of the s	EM		Other NWI Cla	A STATE OF THE PERSON NAMED IN COLUMN 2 IS NOT THE PERSON NAMED IN
		ve Wetland Ve	getation (by	Proceedings of the Process of the Pr	
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		entative Wetla			
\	57.5			75.5	
Permanently Fl (approximate depth -		Seas (approximat	onally Floode e depth -	ed	Saturated
Hydrologic Indicato	rs: S	ilt Deposition		Water-Stain	and I naves
Water	Marks	Drift I	Lines	Surface Sc	ouring
Drainage	Patterns	11	Buttressed T	rees Eleva	ted Roots
Other Observations:	VICIE IY	rundati	M.		
Representative Wetland Soils:	Depth	Horizon	Color	Redox	Texture
Mineral	3-0	0;		Features	CTC
	2.3		10V07/	10V1/2 5/	Sibric
V Organic	11 1				
Organic	7-20	R		104R5/1	511+ 11 An
Organic	7-20	B		many	fine Sandy
Other Observations:		3	25441	many relox	
-		3		many relox	fine Sandy
Other Observations: Meets NEIWPCC (2004)	Criteria 🗐	B Po	autyi	many relox rained	five Sand
Other Observations: Meets NEIWPCC (2004) (Stream # 1 Data: Width (Bank-Bank): 2-3	Criteria Denth @	Center: H-1	asyyl Only d	many relox	five sand
Other Observations: Meets NEIWPCC (2004) (Stream # 1 Data: Width (Bank-Bank): 2.3	Criteria Denth @	Center: H-1	asyyl Only d	many relox	five sand
Other Observations: Meets NEIWPCC (2004)	Criteria Denth @	Center: $\frac{4}{}$ Ve ilt-Mud Sa	Peren.	Many Yelox raine d Intermi Gradual El/Cobble Bo	ttent
Other Observations: Meets NEIWPCC (2004) (Stream # 1 Data: Width (Bank-Bank): 2.3	Criteria Denth @	Center: H-1	Peren. rtical nd Grave	many Yelox rained Intermi Gradual El/Cobble Bo	ttent
Other Observations: Meets NEIWPCC (2004) (Stream # 1 Data: Width (Bank-Bank): 2 3 Bank Configuration: Channel Substrate: Pea Stream # 2 Data Width (Bank-Bank):	Criteria Depth @ Depth @ Depth @ Depth @	Center: 4'-(Ve ilt-Mud Sa Bedroo	Peren.	many Yelox rained Intermi Gradual El/Cobble Bo estream	ttent_ulder
Other Observations: Meets NEIWPCC (2004) (Stream # 1 Data: Width (Bank-Bank): Bank Configuration: Channel Substrate: Pea Stream # 2 Data Width (Bank-Bank): Bank Configuration:	Criteria Depth @ Depth @ Depth @ Depth @ Depth @	Center: H-(Ve ilt-Mud Sa Bedroo Center: Ve	Peren. rtical nd Grave ck SAN F39896 Peren. rtical	many Yelox rained Intermi Gradual I/Cobble Bo e Stream 151 Intermi Gradual	ttent
Other Observations: Meets NEIWPCC (2004) (Stream # 1 Data: Width (Bank-Bank): 2 3 Bank Configuration: Channel Substrate: Pea Stream # 2 Data Width (Bank-Bank):	Criteria Depth @ Depth @ Depth @ Depth @ Depth @	Center: H-(Veilt-MudSa Bedroom Verilt-MudSa Bedroom Verilt-MudSa Sa S	Peren. rtical nd Grave ck SAN F39890 Peren. rtical nd Grave	many Yelox rained Intermi Gradual I/Cobble Bo e Stream 151 Intermi Gradual	ttent
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Other Observations: Meets NEIWPCC (2004) (Stream # 1 Data: Width (Bank-Bank): Bank Configuration: Channel Substrate: Pear Stream # 2 Data Width (Bank-Bank): Bank Configuration: Channel Substrate: Pear Wildlife Observations/Sign potential VP):	Depth @_Undercut t-MuckSDepth @_Undercut t-MuckS	Center: H-(ilt-MudSa	Peren. rtical nd Grave ck SAN F3989 Peren. rtical nd Grave ck ss, dams/lodg	Intermi Gradual A/Cobble Bo Stream Gradual A/Cobble Bo Stream A/Cobble Bo Stream Gradual A/Cobble Bo es, browse, dens,	ttent ulder egg masses,
Other Observations: Meets NEIWPCC (2004) (Stream # 1 Data: Width (Bank-Bank): 2.3 Bank Configuration: Channel Substrate: Pear Width (Bank-Bank): Bank Configuration: Channel Substrate: Pear Wildlife Observations/Sign potential VP): Dee Configuration	Criteria Depth @ _Undercut t-Muck S Depth @ _Undercut t-Muck S	Center: H-(ilt-MudSa	Peren. rtical nd Grave ck SAN F3989 Peren. rtical nd Grave ck ss, dams/lodg	Intermi Gradual A/Cobble Bo Stream Gradual A/Cobble Bo Stream A/Cobble Bo Stream Gradual A/Cobble Bo es, browse, dens,	ttent ulder egg masses,
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; ;	Ę	Stream/Waterbody ID:	WETL.	ower Relial AND SUMM	Date: Series :_		->16
		Dominant NV	VI Class:			Other NWI Class	ses:
E 5	T.			ve Wetland Ve	70 07070		
		-see f	21-81	- -1	origin	al note	2
* g #							
			Repres	entative Wetla	nd Hydrolog	y	
* # 3		Permanently F (approximate depth -		Seaso	onally Floode e depth -	ed	_ Saturated
to.	,	Hydrologic Indicate Water		ilt Deposition Drift I		Water-Stain Surface Sco	
* *		Other Observations:	Patterns			rees Elevat	
		Representative	Depth	Horizon	Color	Redox	Toyturo
= +(1		Wetland Soils: Mineral	Бери	Horizon	Color	Features	Texture
30 = 10 +2 E		Organic					
11 (41 162-14 4-14)							
and the second second							
A CONTRACT OF THE CONTRACT OF		Other Observations: Meets NEIWPCC (2004)	Criteria	<u></u>			
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er in the source of a state of		Stream # 2 Data		Bedroo	CK		
and the second of the		Width (Bank-Bank):	Depth @	Center:	Peren.	Intern	nittent
A Maria Control of the Artistan Artistan			Undercut		rtical	Gradual	
		Channel Substrate: Pea					ılder
				Bedroo	ck		
*	,	Wildlife Observations/Sig potential VP):	gn (e.g., tracks	trails, dropping	gs, dams/lodg	es, browse, dens,	egg masses,
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		□Cedar Swamp	le .	₩We	tland of Spec	ial Significance	
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Hydra, delivention good. Sam Hayden

		Maine 1	Power Relia LAND SUMI	bility Pro	ject	Team F
Observers:	SE, ML	n 11ta		The	171	· ·
Town:	JAL		#:_200_ C	Series :	<u> </u>	0 1
Segment #:_	HE CM	IP Section	#: 200 C	AP Pole #:	S Weth	and #: 1_
- Sevens IT dux	couly it.	19-0	100 - 5-		Corps	plot : Yes N
Don	ninant NWI	Class: 7	255 1009	0	Other NW	I Classes:
,	Re	presentati	ve Wetland Vo	getation (by	Strata):	
HERBS						
Guy can	CARCE			SUR	MES	RED-OSIER DOGE
and can	C00	٠. ٥	or Cin	U).		
	CORL	NE C	ac can			UIBDEN
POD PRE	SCI M	C P	HALARIS	KH	4 FRA	
			entative Wetls	nd Hydrolog	v	
(approximate	anently Floo depth -		Seas (approximat	onally Flood	ed	Saturated
	•	,		-	,	
Hydrologic	: Indicators:	/_ \$	ilt Deposition		Water-S	Stained Leaves
	Water M Drainage Pa	arks _	Drift 1	ines	Surface	e Scouring
Other Observation	R: Diamage Pa	HCT II3		Buttressed T	reesE	levated Roots
Representat	tive	Depth	Horizon			
Wetland So		ъери	HORIZON	Color	Redox	
Mine	tral .	0-3	DA	104E3/	Feature	
Orga		3-20"	B	10 161	100/07.54	ESL SILO
€.					10 /0 11 34	CAL 21 CO
0401	L.					
Other Observatio	88: ' (2004), (2-4					
Meets NEIWPCC	(2004) CH	teria X //				
Stream # 1 Data: Width (Bank-Bank	CHI,	Denth @	Contour	, _		
Bank Configuration	n: U	, Deput W	Ver	Peren.	Ir	ntermittent
Channel Substrate:	Poat-M	luck Si	ilt-Mud \Sa	ucai vi Gravei	Gradua	ll Postdor
			Bedroc	k	acopole	'ponidel
Stream # 2 Data	CHZ,			•		
Width (Bank-Bank) Bank Configuration): <u> </u>	Depth @	Center:5	Peren.		termittent
Channel Substrate:	Peat-M	nek Si	Ven	ical	Gradua	1 ,
		01	Bedroci	k — Clavel	/Coobie	Boulder
Wildlife Observati potential VP):	ons/Sign (e	.g., tracks/t	rails, droppings	, dams/lodge	s, browse, de	ns, egg masses,
povenium v. j.		500	w #			
		0	o purps			
		-BE,	duck Ac	rivity		
Notes:						
□Cedar \$	Swamp		Xwet1	and of Specia	l Cioniforni	
			CATTOO	and or specia	i Significanc	5
Photo #			-		SKI	ETCH ON BACK
					-	OIL DUCU

Line Flagging Series

Possible Functions and Values:

SEE PLOT PROJECTED }

- Fish and Shellfish Habitat
- ___ Nutrient Removal
- Sediment/Shoreline Stabilization
- ___ Recreation
- __ Uniqueness/Heritage
- ___ Bndangered Species Habitat

- ✓ Floodflow Alteration
- Sediment/Toxicant Retention
- ✓ Production Export
- Wildlife Habitat
 - Educational/Scientific Value
 - Visual Quality/Aesthetics
- Other

Checklist:

- Wetland ID# <u>F/4-200-5-1</u>
- North arrow.
- Detailed sketch of wetland boundary and flagging sequence.
- -- Natural and man-made features roads, culverts, outcrops, structures, etc.
- --- Photo locations.
- Location of important wildlife sign.

Sam Handen 4/30/17 large & w/ different conditions Majority is PSS m/ Almus income Sem, H.

F14-200-5-1 PROJECT TITLE: M. P.P.P	TRANSEC		PLOT:		
PEINEATOR(S): ML. NG, SE PEGETATION Statum and Species TMP LAT - 60% COL CAN - 40%	10	6 21 Cominiance tatto		9 O M	NWI Status
OBL FACW FAC *OTHER F	AC- FA				
PERCENT HYDROPHYTES (100A/A IYDROLOGY RECORDED DATA Stream, late, or stall gage Identification: Awhill shetography Identification: Other Identification: NO RECORDED DATA OBSERVATIONS: Depth to Free Water: Depth to Saturation (including capillary fringe): Altered Hydrology (explain): Inundated Saturated in Water Marks	(B): 6CX	26			

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		encouraged.		
DEPTH		MATRIX COLOR	REDOXIMORPHIC FEATURES (color, abundance, dies, contrast)	COMMENTS (USDA lecture, nodules, conceptions, masses, pors linings, restrictive repers, root distribution, additionary, etc.)
0-4" 1-20"	0	wyr 3/1	FELFIAME 7.548 5/L	Muck
1-20"	A	25gR. 3/1	FILL FINE	Eine Sloy Lawy
YDRIC SOIL	INDICATOR	8):	REFERENCE(S	
• •	IV.			
PTIONAL S	OIL DATA		REFERENCE(S	1
axonomic su oil drainage	Cass.			
epth to activ ITCHS hydric	e water table: soil criterion:		and the second	
ONCLUSI	ONS	YES	NO REMARKS:	
ydrophytic vi	egetation criter	Programme and Company		
ydric soils or	denon mel?	B		
	ology criterion r			
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2 2 (2)	F14-200-5-1			:
	PROJECT TITLE: MPRP TRANS	ECT:	PLOT:	Dey
	DELINEATOR(S): SEJGIML DATE:	6 21	07	
	VEGETATION Stratum and Species	Dominance: Ratio	Percent D	NWI Status
以	larone	Now.	M	
	FIELD POTENTILLA -20% POA Sp. 80%			
	W WHITE CLOUR 10%			:
	SOLI 0660 Sp. 10%		2	
	SARS			
	KINA FRA 40%			
	Spr) TOW - 10%			,
			.	
	HYDROPHYTES NON-HYDR	OPHYTES	المارين منها	
	OBL FACW FAC OTHER FAC	FACU UPL	=	
	Hydrophytes Subtotal (A): Non-hydroph	hytes Subtotal (B	1:	
	PERCENT HYDROPHYTES (100A/A+B): 3	0%		
	hydrology Alose	nt-		
	RECORDED DATA Strains, lake, at tidal gage kilentification:			
	Awist photography Identification:			
	☐ NO RECORDED DATA ☐ OBSERVATIONS:			· 1.7
	Depth to Free Water.			
	Depth to Saturation (including capillary finitie): Altered Hydrology (explain):			
	☐ Inundated ☐ Saturated in ☐ Water Marks ☐ Drift L.	ines Sedin	ment []	rainage
	upper 12"	Dept	P	ainage afterns thin Welland
	DIFCORRY Version 21/00 Page 1	·		A POSITION

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SOILSketch	landscape pos	ilion of this plot inc	licate relative position of o	her plot(s) and the wet	land flag if not on plan
Submission of	photo of plot i	s encouraged			
DEPTH	HORIZON	MATRIX COLOR	REDOXIMORPHIC FEATURES (color, abundance, size, contest)	COMMENTS (US) concretions, masses, p layers, root distribut	new Minimus reconsistence
o-8"	A	2.5454	FC loge %	Saway L	DAM
8-เร"	13	2.54 6/8	FC loge 18	Saway L	EDM
HYDRIC SOIL	INDICATOR(S	3) :	REFERENCE(S)		
	LOL	Æ			
OPTIONAL SO Taxonomic sul Soil drainage o Depth to active NTCHS hydric	bgroup; daes: swater table;		REFERENCE(S)		
CONCLUSIO	ONS petation criteri	YES	NO. REMARKS:		
Hydric scile cri			R		
	logy criterian m	et?	12		
STHIS DATA	POINT IN A W	ETLAND?	Ø		
PROJECT TIT	M PR	0 =	TRANSEC	T: PLO)⊺: ∿

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Feature(s) ID:

WEI - 16 \
outine Wetland Field Data Form WET-127-01

		WE
BOYLE	Routine Wetland Field Data Form	WET
-	A	

Date: 4/26/17	Project Name: QMI
Job #:532	Cowardin Class(es) & %: PFO 1/4/=
Observers: J. Boyle,	CJF Photo(s) #: Z
Comments:	

Dominant Vegetation (by stratum):

Herbs	Herbs (cont.)	Shrubs/Saplings	Trees	Vines
ono sens		Abics bal	Abi bal	
OSM CINN		ACET TUB	Bet penn	
lady sera			Acel rub	

Wetland Hydrology Indicators:

Perm. Flooded	d Seasonal (approx. dept	ly Flooded/Saturated	Saturated
*A1 – Surface water	*B5 – Iron deposits	*B15 – Marl deposits	*C7 – Thin muck surface
*A2 – High water table	B6 – Surface soil cracks	B16 – Moss trim lines	C8 – Crayfish burrows
*A3 – Saturation	*B7 – Inundated aerial imagery	*C1 – Hydrogen sulfide odor	C9 – Saturation visible on aerial imagery
*B1 – Water marks	*B8 – Sparse veg. concave surface	C2 – Dry-season water table	*D1 – Stunted or stressed plants
*B2 – Sediment deposits	*B9 – Water- stained leaves	*C3 – Oxidized rhizospheres - living root	*D2 – Geomorphic position
*B3 – Drift deposits (B10 – Drainage patterns	*C4 – Presence of reduced iron	*D3 – Shallow aquitard
*B4 – Algal mat or crust	*B13 – Aquatic fauna	*C6 – Recent iron reduction in tilled soils	*D4 – Microtopographic relief
*Denotes Primary In	dicator		*D5-FAC-neutral test

Representative Hydric Soils:

Depth (in)	Horizon	Texture	Color	Redox. Features	Other
0-2	A	SL	10×12/2	- Trans	
2-15+	В	CL	10455/1	7,5/(4/4 10%	
			_		

Hydric Soil Indicator & Reference: Other Soil Comments:

	ing the second s	Maine Po	ower Relial	oility Proj	ect	Team
SK	ETCH A	WETL	AND SUMM	ARY FOR		n =
	Observers: MOORY Town: LNELLOV	LE FALL			5 SEP 200	
	Segment #: \ C	MP Section #		P Pole #:	1-37, 38-9 B Wetland I	D# 2
	Stream/Waterbody ID:	F-14-3	00-88-	ン .	Corps plot	
	Dominant NW	I Class:	P\$6"(50	. (0)	Other NWI Cla	sses: PEW.
	on the second of the second		e Wetland Veg		Strata):	1785
	HERBS CAR		RUPES		TREES	
	. ONG SEN , CAL (W -IL		KAL AN		PEN
	, OSM CIN "CAR	CO1 -58	Limit	RHO CAI		Kub
	. OSM REB . SCI	MYO LIGH	PI TOM	•	- 35T	YOY
4.7	SPHAGNOUSP.	-	to LIG bramo		LAR	
	TOUCH VATES STOP	3A(0)	entative Wetlan	ad TTudualáá		
	· be vir	vebrese	mauve vvenai	au riyarolog	y	
	Permanently Fl	ooded	Seaso	onally Floode	.d 🔀	Saturated
	(approximate depth -)	(approximate	depth -) .	į
(b)	Hydrologic Indicator	rs: Qí	It Denosition	/	Water-Stair	ad Leaves
	Water		Drift L	ines	Surface Sc	
		Patterns		Buttressed Ti	ees <u> </u>	
	Other Observations:	ساها الأما	un man		مستعف	
					RESTED A	REA
	Representative Wetland Soils:	Depth	Horizon	Color	Redox	Texture
	Mineral	3-0		DARK	Features BA	FIBRIC
	Organic	0-1	A	54R3		SIL
0		1-6	8/	2.554		H EMD
K.579.	C,M,D	6+	13.	2.5441	101R5/8	CIANS M
	Other Observations: Meets NEIWPCC (2004) (V	2 K (Nom		2	
		Criteria	1-1-6-6-6-1	00)	· · · · · · · · · · · · · · · · · · ·	
• '	Stream # 1 Data: Width (Bank-Bank):	Danth @	Cantari /	Daran	T-+	
		Depui @ _Undercut		Peren.	Intermi	ttent
<. ()	Channel Substrate: Pear	_	ilt-Mud/Sa	ndGrave		ùlder
	d. Han		Bedroc	k N	,), ·	,
	Stream # 2 Data Width (Bank-Bank):	Depth @	Cantar	Peren.	Total	ttant
	Bank Configuration:	_Undercut		tical	Intermi Gradual	itent
			ilt-MudSai	ndGrave	l/CobbleBo	ulder
-			Bedroc			
	Wildlife Observations/Sign potential VP):			s, dams/lodg	es, browse, dens,	egg masses,
	potential VI) PEOR	- TROCKS	•			
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	•			•	• 12	
	NTafaa		·			
× 34	Notes:	Aaran a	والمعادرة المتعادية والمعاددة	ال ماشاء	S-0400m	*
	7- 00105	nypery	> TO UTIL	مار فروست	M DIMITE	7 144
	LAYER IS	BETWEE	en dary	LA AND	SAND W	REDOY
	FEATURES TO COMME	PCAN	r commi	s HYDRO	pecial Significan	DHST AATZ
-	WETLAND	CONDITI	oN.	ALCHARG OF 2	bectar Significan	CC
	Photo#	Security Security			SKE	TCH ON BACK

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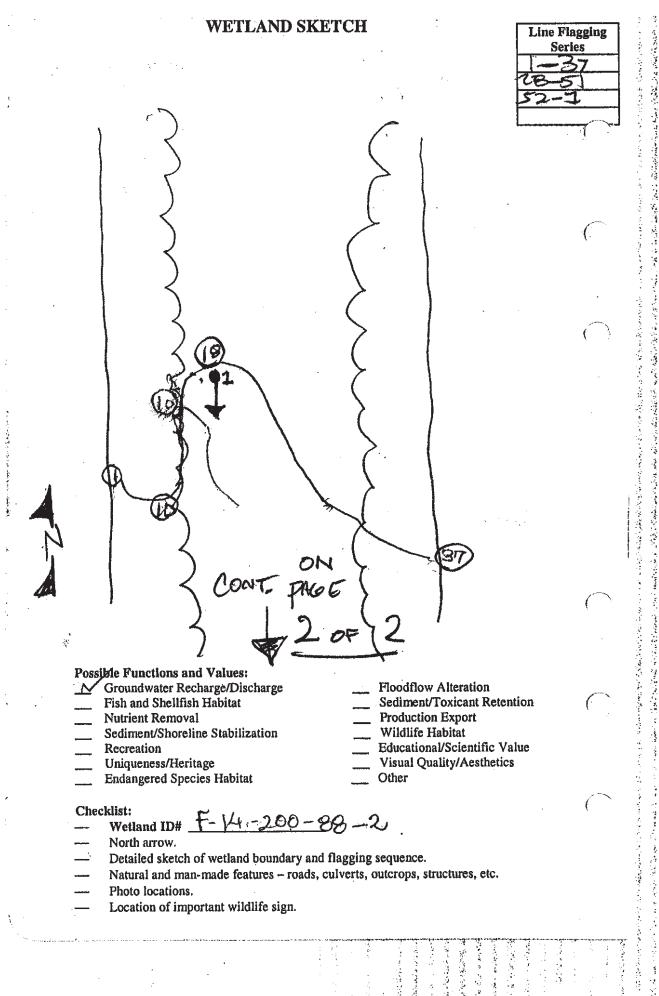
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一般の表がなる。またした書にもあり、別を名を名のかがまりからられる教室を感染しなる意味をもなっています。またものでは、またものでは、またしているのでは、これではないできます。



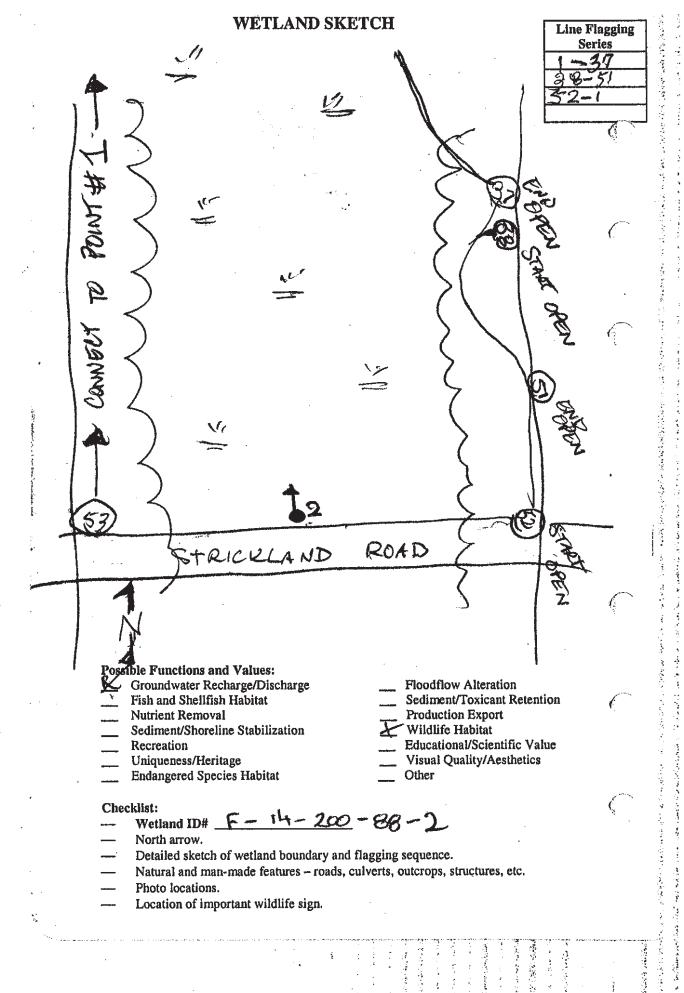
Observers: PETERS Town: Liv. FALLS Segment # : 14 Stream/Waterbody ID:	WETL Moode MP Section #	Ower Reliab AND SUMM LASKE : 200 CM	ARY FOR Date:	M B SEP 2	D#:
Dominant NW				Other NWI Cla	sses:
*	PAG	e Wetland Veg	etation (by	Strata):	
	70	entative Wetlan			,
Permanently Floration (approximate depth - Hydrologic Indicator Water Drainage Other Observations:	ooded) rs:Si Marks	Seaso (approximate It Deposition Drift L	nally Floode depth -	ed	
Representative	Depth	Horizon	Color	Redox	Texture
Wetland Soils: Mineral				. Features	
Organic					
Other Observations: Meets NEIWPCC (2004) (Criteria		<u></u>		
Stream # 1 Data: Width (Bank-Bank): Bank Configuration: Channel Substrate: Pear Stream # 2 Data Width (Bank-Bank): Bank Configuration: Channel Substrate: Pear	_Undercut i-MuckS Depth @ _Undercut	Ver ilt-MudSar Bedroc Center: Ver	tical dGrave k Peren. tical dGrave	Gradual el/CobbleBo Intermit Gradual	ulder
Wildlife Observations/Sign				on browns dans	AGO 200000
potential VP):	n (e.g., tracks/	trails, dropping	s, dams/lodg	es, mowse, dens,	egg masses,
potential VP):				ON B	

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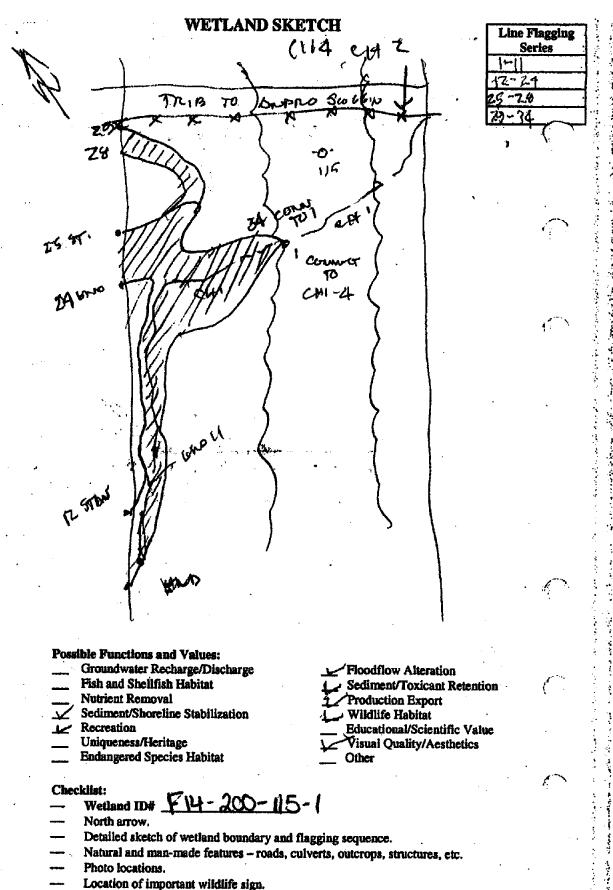


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Sam Huyden 4/29/17 Veg, soil, hydro, delineation good. corect S.H.

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Observers: 4E M			ARY FOR	9/10/07	*****
Town: Segment #: 14 C	MD Section #	: 200 CM	Series:	5 Wetland #	
Stream/Waterbody ID:	F14-20	0=11.5=	1 - 1	Corps plot	
Dominant NW	/I Class: P	FOI >		Other NWI Cla	
	Representativ	e Wetland Ve	getation (by	Strata):	
HERBS		5112	21135	-nc	21365
JEMEL WEET	T> DO				RAPEN
ONO SEN	. 19,	1	ilucy Do VLN RUI	A	M. ELA
OSM CIN		•	, ,	AC	ERU
	Represe	entative Wetla	nd Hydrolog	TV	, , , , , , , , , , , , , , , , , , ,
Permanently Fl	-		,	-	
(approximate depth -)	approximate	onally Floods depth • 2.	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Satura:
TTX14 * **			• · · · · · · · · · · · · · · · · · · ·		
Hydrologic Indicator Water		It Deposition Drift I		Water-Stain	
Drainage				Surface Screes Eleva	
Other Observations:		·		THE VA	MU NOUIS
				· ·	
Representative Wetland Soils:	Depth	Horizon	Color	Redox	Text
					Ī
	0-6	A	100.00	Features	127
Mineral Organic	0~6	A	1042 3/2 2,51,412		3.4
Mineral		A		In% Icas 416	3.4
Mineral Organic		B		10% 10ge 416	3.U 3.U
MineralOrganic Other Observations:	(0-18)"				3.4
Mineral Organic Other Observations: Meets NEIWPCC (2004) ((0-18)"			10% 10ge 416	3.U 5.U
Organic Other Observations: Meets NEIWPCC (2004) (Stream # 1 Data: Width (Bank-Bank):	Criteria XII	Center: Z	2,51, 41 ₂	La 96 some 416	3. L
Other Observations: Meets NEIWPCC (2004) (Stream # 1 Data: Width (Bank-Bank): Bank Configuration:	Criteria XLI Depth @ Undercut	Center: Z	Peren.	Info Ime 416	mittent _
Other Observations: Meets NEIWPCC (2004) (Stream # 1 Data: Width (Bank-Bank): Bank Configuration: Channel Substrate: Peat	Criteria XLI Depth @ Undercut	Center: Z	Peren. tical Grave	Infairme 416	mittent _
Other Observations: Meets NEIWPCC (2004) (Stream # 1 Data: Width (Bank-Bank): Bank Configuration: Channel Substrate: Peat	Criteria XII	Center: Z Ve It-Mud Sa Bedroc	Peren. tical ndGrave	Interes 4 Gradual	mittent
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Other Observations: Meets NEIWPCC (2004) (Stream # 1 Data: Width (Bank-Bank): Bank Configuration: Channel Substrate: Peat Width (Bank-Bank): Bank Configuration: Channel Substrate: Peat Wildlife Observations/Sign potential VP):	Criteria XII Depth @ Undercut -Muck Si Depth @ Undercut -Muck Si a (e.g., tracks/	Center: Z- Ve ilt-Mud Sa Bedroc Center: Ver it-Mud Sa Bedroc brails, dropping	Peren. tical ndGrave tical ndGrave	Interior Gradual I/CobbleBoi Interior Gradual I/CobbleBoi	mittent
Other Observations: Meets NEIWPCC (2004) (Stream # 1 Data: Width (Bank-Bank): Bank Configuration: Channel Substrate: Peat Width (Bank-Bank): Bank Configuration: Channel Substrate: Peat Wildlife Observations/Sign potential VP):	Criteria XII Depth @ Undercut t-Muck Si Depth @ Undercut t-Muck Si	Center: Z- Ve ilt-Mud Sa Bedroc Center: Ver it-Mud Sa Bedroc brails, dropping	Peren. tical ndGrave tical ndGrave	Interior Gradual I/CobbleBoi Interior Gradual I/CobbleBoi	mittent
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Other Observations: Meets NEIWPCC (2004) (Stream # 1 Data: Width (Bank-Bank): Bank Configuration: Channel Substrate: Peat Width (Bank-Bank): Bank Configuration: Channel Substrate: Peat Width (Bank-Bank): Bank Configuration: Channel Substrate: Peat Wildlife Observations/Sign potential VP):	Criteria XII Depth @ Undercut -Muck Si Depth @ Undercut -Muck Si a (e.g., tracks/	Center: Z- Ve ilt-Mud Sa Bedroc Center: Ver it-Mud Sa Bedroc brails, dropping	Peren. tical ndGrave tical ndGrave	Interior Gradual I/CobbleBoi Interior Gradual I/CobbleBoi	mittent
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Sam Hayder 4/29/17
Field randitions match form data

	TRANS	ECT:	PLQT.	WET.
DELINEATOR(S): SE ML MW	DATE:	9/10/	07	
/EGETATION Stretum and Species		Dominance Ratio	Percent Dominarioe	MWI SHA
HEROS	•			
Jewer Jeso - 80%				
040 SEN - 10%	·			
ÓHRUSS.				
512ky DOGWOUD -10%		•		
ALD RU6 - 10%				
SAIPS.	*			
AM, EZM - 5% FRA PEN - 5%				
TREES				
FRA PEN - 80%				
YOROPHYTES	NON-HYDR	OPHYTES		
OBL FACW FAC *OTHER diophytee Subjotal (A):		FACU UPL		*
PERCENT HYDROPHYTES (10)	DA/A+B):		nggardismo Santa Santas santas	
YDROLOGY				
RECORDED DATA Steam, lake, or tidal gage Identification:				
Arrist photography Identification: Identification:				
NO RECORDED DATA OBSERVATIONS:				
Depth to Free Water. Depth to Saturation (including capillary fringe):				
Altered Hydrology (explain):				·····
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DBPTH	HORIZON		REDOXIMORPHIC FEATURES (color,	COMMENTS (USOA terchire, nodules, ecincrelloris, maintenes, pare libitge, residictive
0-6	A	loype 3/z	abundanne, ske, contrasi)	legers, not illustituden, soll water, etc.)
4-18	b	2.5. 1/2	10% 101 246	5 Lower
		- 1		
(DRIC SOIL I	NDICATOR(S)	REFERENCE(S):	
TIONAL SO	L DATA			
xonomic subj	nonb:		REFERENCE(S):	
Il drainage di pth to active : CHS hydric a	valer table:			
ONCLUSIO				
/:TVLUDIU	no .	YES !	VO REMARKS	
drophytic veg	etation criterio		3	
irlo soils crite	ion mel?		i	
tand hydrolo	gy criteri on me	n 🗍 [j	
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PROJECT TITLE: MPRP DELINEATOR(S): SZML MW VEGETATION Santum and Species HERES	TRAN		PLOY: Percent Dominance	· 	
VEGETATION Stratum and Species	DATE	9 10	Percent	· 	
)		Dominance Ratio	Percent	D	
Hazes			roungues	o '	WVI Status
				NC	
ON0 SEN 5%			****		
FOLISE SOLVISION -10%					•
TRILIUM - 2%				ŀ	•
Saps Im - 10%					
CHOCK CHOPRY - 50%					
ACE SUG - 5%					
QUERES - 15%	İ	g for e			
TREES PINSTA - 20%					
Qui Res -20%					
HYDROPHYTES NON-	HYDR	OPHYTES		ــــــــــــــــــــــــــــــــــــــ	
Etherhaumin and be a sign of a say	ydroph	FACU UPL ytes Subtolei (B):	-		
HYDROLOGY		1		•	
Assist photography kientification:	25	sent			
NO RECORDED DATA		•			
OBSERVATIONS: Depth to Free Water: Depth to Saturation (including capillary fringe): Altered Hydrology (explain):	_				
Inundated Seturated in Water Marks Do upper 12" OTHER (explain):	dff Llo	es Sédime Deposit		raina oltern thin V	je s Vitland

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DEPTH .	HORIZON	MATRIX COLOR	REDOXIMORPHIC PEATURES (color, abundance, alte, contrast)	CONCRETIONS, STREET OF	SOA texture, nodules, pare linings, restrictive Son, soil water, etc.)
ઇ−6 ∶	A	10483			
&-20" &	В	2.5,5/6		FSOLON	boam.
TYDRIC SOIL	INDICATOR(S	<u> </u>	REFERENCES		
	* 4	nothe -			
PTIONAL SC	DATA		REFERENCE(S)		
l'exonomic sub Boil drainage c Depth to active IT CHS hydric	lass: water lable:	XB	ner elenoe(o)		
ONCLUSK	ONS	YES	NO REMARKS:		
lydrophytic ve	getation criteri	4	Z.	•	
yddic soils cill Adland hydrol	erion met? ogy criterion m		X X		
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		Maine P	ower Relia	oility Proj	ect	Team B
-	Observers: MC	MP WETL	AND SUMM	ARY FOR	10-2-0	}
	Town:	reene		Series:	MFR	
	Segment # : _14	. CMP Section #	:200 CM	P Pole #: 2	36 Wetland #	
	Stream/Waterbody I				Corps plot :	
	Dominant	NWI Class: 🤌	55		Other NWI Clas	
<u> </u>	The vert (3h)	Representativ	ve Wetland Ve		Strata): \Ac	e No Y
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\mathcal{N}	his paral	Moden	earli	1	M	10
H	10/10 / 02.4	Scicyp	Cont	(1) (1) (1)		m Anne
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	/ Cc	ne		LVD/L	er porton	A
	Permanently (approximate depth	Flooded		onally Floods	d	Saturated
	(approximate depth	-12-27	(approximat	e depth -6"	()	
,	Hydrologic Indic	ators S	ilt Deposition		Water-Stain	ed I souss
			nt Deposition Drift I	ines —	Surface Sca	
	Draina	age Patterns			reesElevat	
	Other Observations:		•			
	Representative	Depth	Horizon	Color	Redox	Texture
	Wetland Soils:	N 15	Δ	# '	Features	Affirm to A
	Mineral Organic	0-15	1/1	34 4/1		Silver
	Organic	18-4	B.	544/2	KUR416	Silo
		/ B - 3	0.2	593/0	RIGHE TID	3440
	Other Observations:			·		
	Meets NEIWPCC (200	4) Criteria 🖳 👢	<u>!</u>			
	Stream # 1 Data:	<u>, 1</u>		ις		
	Width (Bank-Bank):	Depth @		Peren.		nittent
		Undercut Peat-Muck S		rtical	Gradual	
	Chamier Subsuate.	reat-MuckS	nt-windsa Bedro		l/Cobble Bor	uder
	Stream # 2 Data		 -			
	Width (Bank-Bank):	Depth @	Center:	Peren.	Interr	nittent
		Undercut		tical	Gradual	
	Cuamici Suosuate:	Peat-MuckS	ilt-MudSa Bedroo		l/CobbleBou	uder
•	Wildlife Observations/	Sign (e.g., tracks			es hrowee dens	egg masses
	potential VP):	~-P. (A.D.) HUAVA	amen arobbing	a, darim iodg	va, biowse, ucils,	CER IIMSSES,
	Morse					-
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	- 		-			
•	Notes: Change					
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	filows i	untite	the H	ne wro	WUCK -	
	•					
	Codes S	· ·	mu/	410-1-00	tat otta atm	
	□Cedar Swar	1th	<u>LPW</u> e	uana of Spec	ial Significance	
	Photo # 7/8				SKET	CH ON BACK

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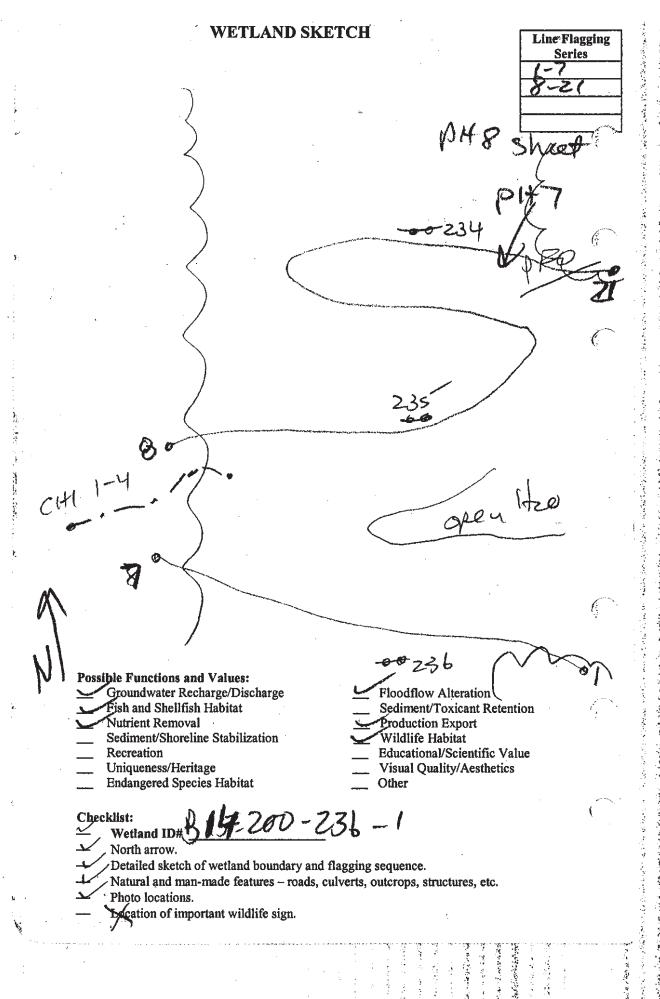
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_	Maine P	ower Relia	bility Proje	ect , ,	Team 5
118	WETL	AND SUMM		M Ce > &	> 07
Observers: R	Leen	P	Date:		
		: Zer) CM	Series:	Wotland #	
Stream/Waterbody ID:	- Occion n	· Zejp CIVI	T. Loie #. CX	Wetland #: Corps plot:	
Dominant NW	I Class: P	MI			A 1007 5
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•	Repres	entative Wetla	nd Hydrology	7	
Permanently Fl	ooded	Seas	onally Flooded	1	Saturated
(approximate depth -)	(approximat	e depth - 12	5 —	
Hydrologic Indicato	ra. C			/	1.7
Water		ilt Deposition Drift I		Water-Stain Surface Sco	
Drainage				es Elevat	
Other Observations:					
		·			
Representative	Depth	Horizon	Color	Redox	Texture
Wetland Soils:	13 0		(- (- ()	Features ,	, _#
Mineral Organic	18-0	Oe	104/2/2	ا مسیست	Herric
Organic	0-1	51	5945/1		5140
			'''		
Other Observations:		17	'	**	
Meets NEIWPCC (2004)	riteria 🗍	<u>L</u>			
Stream # 1 Data:			,		
Width (Bank-Bank):			Perent _	Intern	nittent
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Stream # 2 Data					
Width (Bank-Bank):	Depth @	Center:	Peren	Intern	nittent
Bank Configuration: Channel Substrate: Peat	Undercut -Muck Si		tical	Gradual	
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Wildlife Observations/Sign	(e.g., tracks/			s. browse, dens	ego masses
potential VP):				, oto 1150, 40 115,	
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□Cedar Swamp		Ø₩e	tland of Specia	al Significance	<u> </u>
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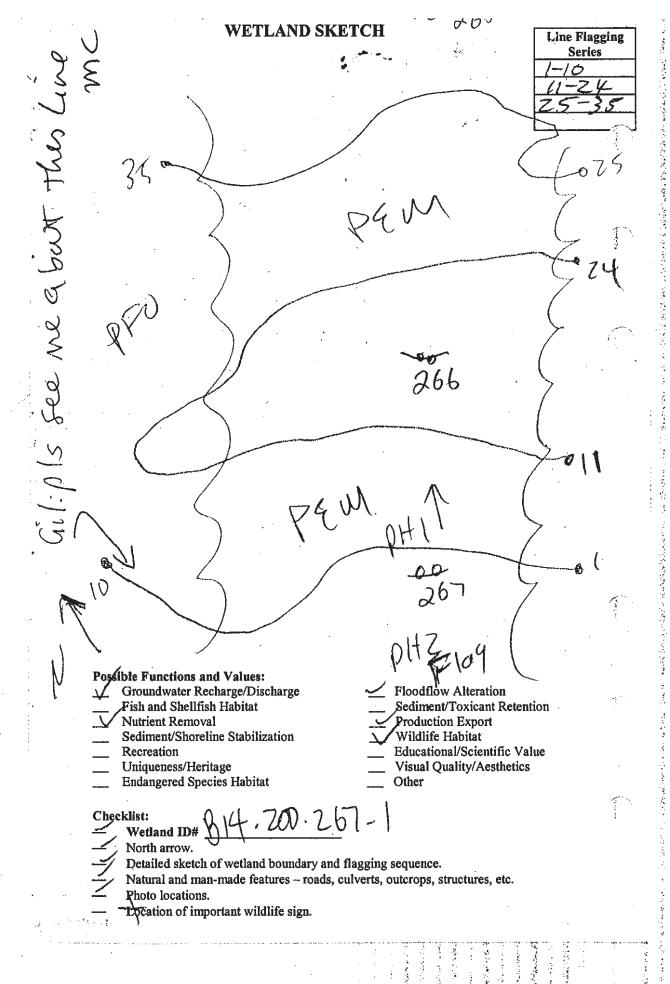
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Data Form Examples

Segment 4

WET-146-04

Som Heyden 5/19/17

Veg, soil, hydogood. Extended B-17-24-24-1 to entirely encompass

Hois K area.

	7-64-24-2	Maine Po Wittl.	ower Relia! LND SUMM	bility Proj LARY ROR	eci M	Tea
	Observers: L.LECLE	LC DOL	NNFMA	N Date: X	-8 -0-S	
	Town: LEVALS:	てんど		Series :	1- 16	
	Segment # : 139 (CMP Section #	LO CM	P Pole #:	O Weiland I	D#: \
	Stream/Waterbody ID:	NV			Corps plos :	
	Dominant NV	WI Class: Pシら	15. 100	773	Other NWI Clas	
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	Other Observations: 50		<u> </u>	Duinessed 11	tes ineval	eg Kook
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	Representative	Depth	Horizon	Color	Redou	Tex
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Maine Power Reliability Project Team	E WET-
Observers: MP AGMC Date: 10-17-07	
Town: Lewiston Series: OFFER	
Segment #: 17 CMP Section #: 64 CMP Pole #: 24 Wetland ID #: 2 Stream/Waterbody ID: Corps plot: Yes	No
Dominant NWI Class: P55/ Other NWI Classes:	
Should Representative Wetland Vegetation (by Strata):	
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I levent Dun SPP. BUTVERN GRASS	-
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Representative Wetland Hydrology	61.2
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(approximate depth -) (approximate depth -)	, ,
Hydrologic Indicators: Silt Deposition Water-Stained Leaves	1/-2
Water Marks Drift Lines Surface Scouring	'n
Other Observations: Drainage Patterns Buttressed Trees Elevated Roots	,
bout lo	<u>.</u>
Representative Depth Horizon Color Redox Textus	re
Wetland Soils: Features Sa to	
Organic 6-12+ 8: 54 61: 547/1 Sa. 6	
Other Observations:	
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Stream # 1 Data: Width (Bank-Bank): Depth @ Center: Peren Intermittent	
Bank Configuration:Undercut Vertical Gradual	-
Channel Substrate:Peat-MuckSilt-MudSandGravel/CobbleBoulder Bedrock	
Stream # 2 Data	
Width (Bank-Bank): Depth @ Center: Peren Intermittent Bank Configuration: Undercut Vertical Gradual	-
Channel Substrate:Peat-MuckSilt-MudSandGravel/CobbleBoulderBedrock	
Wildlife Observations/Sign (e.g., tracks/trails, droppings, dams/ledges, browse, dens, egg masse	
Potential VP) D 5 A 0 A 1 TO 5	
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Notes:	·
□Cedar Swamp □Wetland of Special Significance	
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Hayolen 5/19/17 Vey, soil, typho word It extends	Sand
Alabara Color All Salar Sa	-, ,

5. H.

Sum

Som Hayden. 5/19/17 Veg, soil, hydro look good WET-146-04

Added & areas along N'boundary and removed & areas that had been

filled by substation construction, B-17-64-24-2 wesconnected.

Spilot of Spilot Notes: Wildlife Observations/Sign (e.g., tracks/buis, droppings, dams/fodges, browse, dens, egg masses, Port VI on HOH in Thee Russ 17 CMP Section #: 67 CMP Pole #: 24 Westland ID #: chip deva Maine Power Kensonity Project 1 cont.

AC WELLAND SUMMARY FORM 10-17-07 Representative Wedland Vegetation (by Strata):

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Science Depth @ Center: THE CONTROL PERSON INSTRUCTION Sik Deposition Water-Stained Leavas
Drift Lines Surface Souring
Buttressed Trees Elevated Room Seasonally Flooded (approximate depth -) spi tom 280 as Wetland of Special Significance SKETCH ON BAC' Saturated Texture Leam

WETLAND SKETCH

Use Finguing

Other Finding

Position Process and Values:

Croundwater Recharge/Discharge

Floodinow Alternation

Formations Experiment Constant Reteation

First and Shelffish Habitat

Post and Shelffish Habitat

Post and Shelffish Habitat

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Floodinow Alternation

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8-17-6-1-241

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C-17	7-64-24-2 Maine Power Reliability Project Teal WETLAND SUMMARY FORM	m_C						
	Observers: L.LECUERC DOLENNEMAN Date: 8-8-08							
	Town: LEWIS TOO Series: 1-16 Segment #: 139 CMP Section #: 10 CMP Pole #: 0 Wetland ID #: 1							
	Stream/Waterbody ID: NA Corps plot :Yes	<u>~</u>						
- Y	Dominant NWI Classes: 056 C Other NWI Classes: Representative Wetland Vegetation (by Strata):							
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	Other Observations: 50 + +0 50.) Buttressed Trees Elevated Roots Surface							
		lure						
	Wetland Soils: 0-C A 2543/1 Features 5 Mineral 6-9+ 5 2544/12545/6-1880 5							
	Organic							
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	Other Observations: Meets NEIWPCC (2004) Criteria							
	Stream # 1 Data: Width (Bank-Bank):							
()	Bank Configuration:Undercut Vertical Gradual Channel Substrate:Peat-MuckSilt-MudSandGravel/CobbleBoulder Bedrock	_						
	Stream # 2 Data							
	Width (Bank-Bank): Depth @ Center: Peren Intermittent Bank Configuration: Undercut Vertical Gradual							
	Channel Substrate:Peat-MuckSilt-MudSandGravel/CobbleBoulder							
	Bedrock Wildlife Observations/Sign (e.g., tracks/trails, droppings, dams/lodges, browse, dens, egg mas	ses.						
	potential VP):							
()	Notes:							
		٠						
	Cedar Swamp Wetland of Special Significance							
4 · 1	Photo # P2 Fac 5 SKETCH ON	BAC						

Line Flagging Series
)-16
<u>_</u>



C139-10-0-1-1



Possible Functions and Values:	,
Groundwater Recharge/Discharge	Floodflow Alteration
Fish and Shellfish Habitat	Sediment/Toxicant Retention
Nutrient Removal	Production Export
Sediment/Shoreline Stabilization	★ Wildlife Habitat
Recreation	Educational/Scientific Value
Uniqueness/Heritage	Visual Quality/Aesthetics
Endangered Species Habitat	Other
•	
Checklist:	

Wetland ID# <u>C139-10-0-1</u> North arrow.

Detailed sketch of wetland boundary and flagging sequence.

Natural and man-made features - roads, culverts, outcrops, structures, etc.

Photo locations. Location of important wildlife sign. 1-501-109-61-8

WELL AND SUMMARY FORM 10 2

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Sci Cy P OND Sense Westend Vegenships (19 Strate) Cent Lot dens Sense Copyages 50 Calls Cent City dens Com Malan Halan Ite Ver Ace No. South They last the last of Sense Ace No. The last they last a visit last a visit last they are has been they are they last they last a visit l	Representative West	Hydrologic Indicators: Sitt Deposition Weter-Stained Leaves Weter Marks Drainege Parterns Other Observations: \$ 0.71 Lar. Leas 6 8 4	Representative Depth Hortzon Color Redox Texture Wethand Solls: D-121 Off. Systemes, Cognition organic	Other Observations: Masses NEW W.C.C. (2001) Criteria II No apparent "A"	Stream # 1 Data: Width (Bank-Bank). Depth @ Center: Persa. Vertical Bank Configuration: Undervue Sit-Muck Sit-Muck Sit-Muck Gradual Channel Substrate: Persa. Intermittent Bank Configuration: Persa. Jack Channel Substrate: Persa. Jack Channel Stream Convertion of Configuration Persa.	Stream # 2 Data Wichi (Bank-Bank): Depth @ Ceffer Vertical Bank Configuration: Underroy Vertical Gradual Channel Substrate: Peal-Mysk Sill-Mud Shad Grave/Cobble Boulder	Wildlife Observations/Sign (¢.g., tracks/trails, druppings, dams/lodges, browse, dens, egg masses, potential VP):	Notes:	Clouder Swarmp UWetland of Special Significance

PIXZ FLOS WETLAND SKETCH 12

	Maine Power Ke	Hability Proje	ect ,	1 eam
Observers: SEA	WETLAND SUN	Date:	10/25	07
Town: Law 5 Pan	900	Series :	OVER	
Segment #: 17 CM	MP Section #: 64	CMP Pole #: /C	Wetland #:	- Van die
Stream/Waterbody ID:	0 = 11 1		Corps plot :	Yes No
Dominant NW	1 4 7	71 4 11 11 1	Other NWI Class	
aulut June	epresentative Wetland	Vegetation (by S	strata): \ 🕰	et per
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	Representative W	etland Hydrolog	у	
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(approximate depth -		imate depth - 2		_
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	rs: Silt Depositi Marks D	rift Lines	Water-Staine Surface Sco	
Drainage	Patterns .	Buttressed Ti	ees Elevat	
Other Observations: 50	Patterns Twoled 6-	-8"		
Representative	Depth Horizo	on Color	Redox Features	Texture
Wetland Soils: Mineral	0-121 3	545/2	104R46	Silv
Organic	- All		0945/1	
-			77	
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Other Observations: Meets NEIWPCC (2004)	Criteria III 🔥	n appall	eut A	_ ¹ <
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Stream # 2 Data			•	•
Width (Bank-Bank):	Depth @ Center: _ Undercut	Vertical	Inter	mittent
Bank Configuration: Per Channel Substrate: Per	Ondercur at-MuckSilt-Mud _		el/CobbleBo	ulder
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Wildlife Observations/Sig	n (e.g., tracks/trails, dro	oppings, dams/lod	ges, browse, dens,	, egg masses,
potential VP):		and the same of th		
	,			
Notes:				
		□ Watland of Co.	ooiol Significance	
☐Cedar Swam	<u> </u>	□Wetland of Spe	ecial Significance	
Cedar Swam		□Wetland of Spe		TCH ON BACK

WETLAND S	SKETCH	Line Flagging Series
	-105	12-27
	PHI 1	1
s and Values:	() () () ()	A Iteration
Ifish Habitat noval preline Stabilization Heritage Species Habitat # B T GG tch of wetland boundary man-made features – roadons.	Sediment Production Wildlife I Education Visual Qu Other	Toxicant Retention on Export Habitat nal/Scientific Value uality/Aesthetics
	s and Values: Recharge/Discharge Ifish Habitat oval oreline Stabilization Iteritage Species Habitat the Boundary man-made features – road ons.	s and Values: Recharge/Discharge Ifish Habitat Oval Production Wildlife Education Wisual Queritage Species Habitat Wisual Queritage Species

WET-155-03 5/23/17 delineation good. S.H. bush Asset Carlac ut 80-1(x) verhost (x) Scientifica Whithis Observations Agn (c.g., tracks/bulk, droppings, chars/odges, browse, down ogs ninsses, potential VP): Alexa swale. Permanently Flooded (approximate depth -) in (Bank-Bank): Depth @ Center:

Configuration: Undervat

Configuration: Peat-Muck Sile-Mad Representative Western Soils: Mineral Organic METLAND SUMMARY FORM 10 150 57

Date: 0.15R

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Weinst France 15R Drainage Patterns Representative Wetland Vegetation (by Stratu) Representative Wedned Hydrology Silt-Mad Sit Deposition

Drift Lines Water-Stathed Leaves
Surface Scousing
Buttreased Trees Enward Roots Seasonally Flooded (approximate depth -6 "/) Tring Turn Peren Internitura:
Werical Cradual
Sand Crave/Coolde Boulder ni Gradual
Gravel/Cobble Boulder Other NWI Clauses: SKRTICH ON BACK Saturated 2 Texture?

Detailed attach of wetland boundary and flagging sequence. Nutural and mass-made features – roads, culverts, outcrups, shuctures, etc. 20-551-12M/1-18#4

San Hayder 5/23/17 Field conditions match plandata. 5H

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CONCLUSIONS VES NO RELIVACE:	HIDROSCH HODATOROS: REFERENCE(S): OPTIONAL SOL DATA Transmit subgroup: 3d dentage dent Depth of active maker ladie: Depth of active maker ladie: ATOMS hydrose and chandas.	9017 8" ELM! 2824 2.70	SOULS and transport position of the part. Indicate relative prostion of either plot(s) and the welfare position of photo of plot is excoveraged. Software of photo of plot is excoveraged. REDOVERNORS (see, common way, per part of the welfare). Software of photo of plot is excoveraged. REDOVERNORS (see, common way, per part of the welfare). Software of photo of plot is excoveraged. REDOVERNORS (see, common way, per part of the welfare). Software of photo of plot is excoveraged. REDOVERNORS (see, common way, per part of the welfare). Software of photo of plot is excoveraged. REDOVERNORS (see, common way, per part of the welfare). Software of photo of plot is excoveraged. REDOVERNORS (see, common way, per part of the welfare). Software of photo of plot is excoveraged. REDOVERNORS (see, common way, per part of the welfare). Software of photo of plot is excoveraged. REDOVERNORS (see, common way, per part of the welfare). Software of photo of plot is excoveraged. Software of photo of photo of plot is excoveraged. Software of photo of pho	_
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PROJECTITUE MPRO THOMSEN PROTECTIONS OF THE PROJECTIONS OF THE PROJECT

Observers: Al W	WETLA	ND SUMMA	RY FORM		7
Observers: Ale W	<u> </u>		Date:	10/30/0	
Town: L	ews in	J	Series :	TATOM.	
Segment # :C Stream/Waterbody ID:	MP Section #:	b — CIVIF	Tole #	Corps plot : \(\)	YesNo
	I Class:	ML		Other NWI Class	es:
/9 -\ T	Representative	Wetland Vege	etation (by S	trata):	
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Hydrologic Indicate	ors: Si	It Deposition		✓ Water-Staine	d Leaves
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Other Observations:	Patterns		Buttressed Tr	ees Elevate	ed Roots
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Representative	Depth	Horizon	Color	Redox	Texture
Wetland Soils:		Λ	1910 3/2	Features	Sala
Mineral	0-6	0	543/2	GG45/1	5,40
Organic	6477	87 -	77.4	12.5cm	
•				15%	
Other Observations:	77				
Meets NEIWPCC (2004)	Criteria				
Stream # 1 Data:	Denth @	Center	Peren.	Interi	nittent
Width (Bank-Bank): Bank Configuration:	Undercut	Ve	rtical	Gradual	
Channel Substrate:Pe	at-MuckS	Silt-MudSa	indGrave	el/CobbleBor	ulder
Stream # 2 Data		Bedro	•		
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Channel Substrate:	eat-MuckS	Silt-MudSi Bedro	ck	CII COUDICDO	#10VI
Wildlife Observations/Si	ign (e.g., track			ges, browse, dens,	egg masses,
potential VP):	ŧ.		aprillation :		
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Photo # 7 8	np	ΩW	etland of Spe		TCH ON BACK

	WETLAND SKETCH	Line Flagging
		Series (-10 11-14
10	WA III	
	PH7	14
	(on w) 1 p 148	Flac
T.	Possible Functions and Values: Groundwater Recharge/Discharge Fish and Shellfish Habitat Nutrient Removal Sediment/Shoreline Stabilization Recreation Uniqueness/Heritage Endangered Species Habitat Production Export Wildlife Habitat Educational/Scientific Visual Quality/Aesthe Other	Value
•	Checklist: Wetland ID# 57-64-148 North arrow. Detailed sketch of wetland boundary and flagging sequence. Natural and man-made features – roads, culverts, outcrops, structures, etc. Photo locations. Location-of-important-wildlife sign.	

		DIL UT-170 1	dull my
PRO	DIECT TITLE: MARY	TRANSECT: PLOT-	
	INEATOR(S): AL ML	DATE: 10 -30-07	
	GETATION Stratum and Species Held Phalanu Lytsal Bushy Arter Jerhast Sciegp	Dominance Ratio Percent Dominance O M NWI Status STATE STATE STATE NON-HYDROPHYTES	w
-	HYDROLOGY RECORDED DATA Stream, take, or lidel gage Identification: Agrial Indography Identification:	FAC FACU UPL Non-hydrophytes Subtotal (B): TES (100A/A+B):	
	OBSERVATIONS: Depth to Free Water: Depth to Saturation (including capillary fring Altered Hydrology (explain):	nge):	

CENZE CO-R-PT Version 7/VIII Page 1

Soll Soll SOIL Sketch landscape position of this plot. Indicate relative position of other plot(s) and the wetland flag if not on plan. Submission of photo of plot is encouraged. HORIZON MATRIX COLOR REDOXIMORPHIC COMMENTS (USDA texture, nodules, 0-6 A 593/2 Saw 6-12 B, 544/1 5945/1 Silo 6-12 Lisens ± 10% concretions, masses, pore linings, restrictive FEATURES (color, layers, root distribution, soil water, etc.) HYDRIC SOIL INDICATOR(S): NE Hydric Seds OPTIONAL SOIL DÁTA REFERENCE(S): Taxonomic subgroup: Soil drainage dass: Depth to active water table: NTCHS hydric soil criterion: CONCLUSIONS REMARKS: Hydrophytic vegetation criterion met? Hydric soils criterion met? Wetland hydrology criterion met? IS THIS DATAPOINT IN A WETLAND? PROJECT TITLE: MPRP TRANSECT: PLOT:

817-64-148-1-WET

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PROJECT TITLE:	MPRP	TRAN	SECT:	PLOT:	4		•
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VEGETATION Shay	Stratum and Species		Dominance Ratio	Percent Dominance	D NWI Status O M		
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	PERCENT HYDROPHY	/TES (100A/A+B):	14-	251	0		
HYDROLOGY RECORDED DI Stream, lake, Aerial photogr	ortidal gage Identification: raphy Identification: Identification:	ide (k					
NO RECORDED OBSERVATION Depth to Find the State of Stat		nge):			-		
Altered Hye					<u></u>	;	
Inundated	upper 12° explain):	ater Marks Drift	Lines Sedi Depo		Drainage Pattems within Wetland		
CENVE-CO-R-PT. Version 7/V00 F	- dyp i						

SOIL Sketch landscape position of this plot Indicate relative position of other plot(s) and the wetland flag if not on plan. Submission of photo of plot is encouraged. HORIZON MATRIX COLOR COMMENTS (USDA texture, nodules, REDOXIMORPHIC concretions, masses, pore linings, restrictive layers, root distribution, soil water, etc.) FEATURES (color, abundance, ska, contrast) 0-6 Salo 6-18 HYDRIC SOIL INDICATOR(S): REFERENCE(S): OPTIONAL SOIL DATA REFERENCE(S): Taxonomic subgroup: Soil drainage class: Depth to active water table: NTCHS hydric soil criterion: CONCLUSIONS NO -REMARKS: Hydrophytic vegetation criterion met? Hydric soils criterion met? Wetland hydrology criterion met? IS THIS DATAPOINT IN A WETLAND? PROJECT TITLE: MPR PLOT:

B17-64-148-1-UP

5/24/17 WET-159-08 delineation g work SH. Width (Bends-Bunk): Dopth @ Coster: Pour itreesn # 2 Data Vidth (Bank-Bank): Other Observations: dille Observations/Sign (e.g., tracks/trails, droppings, dans/lodges, brown, dens, egg masses, Representative
Wethand Solls:

Mineral Permanently Flooded (approximate depth -) Organic Hydrotogic Indicators: At at rood crassing. Dominant NWI Class: PCT 45% Gulden Burnany Light Portion Burnay FORM carge method compier extrately for many publis CMP Section #: 62 Some sections of welland in undoted at 1-3" of stocking HDO Undercut Meet Sill-May Representative Wetland Vegetation (by Strain): augheneed Rub his Eut gra Sec 230 retail eles Representative Wethad Hydrology Silt Deposition (approximate depth ·) Healoway Drift Lines Wethard of Special Significance Buttressed Trees ___Gravel/Cobble ___Bonider Al Gravel/Cobble Boulder **科** 3年) Water-Stained Leaves
Surface Scouring
Elevated Roots Runal / Queham SKETCH ON BACK Saturated E 2 16

> Possible Functions and Values:
>
> Groundwater Recharge/Discharge
>
> Hith and Shalifith Habitat 2 WETLAND SKETCH à Durham Guinal 111411 Hoodflow Alteration
> Sediment/Toxicant Resention
> Sediment/Toxicant Resention
> Production Export
> Wisdiffe Habitat
> Librarional/Scientiffe Value
> Visual Quality/Acatholics 17

Uniqueness/Heritage Endangered Species Habitat;

Wednesd ID# 017-62-49-1

ionia arrow.

Location of important wildlife alga-

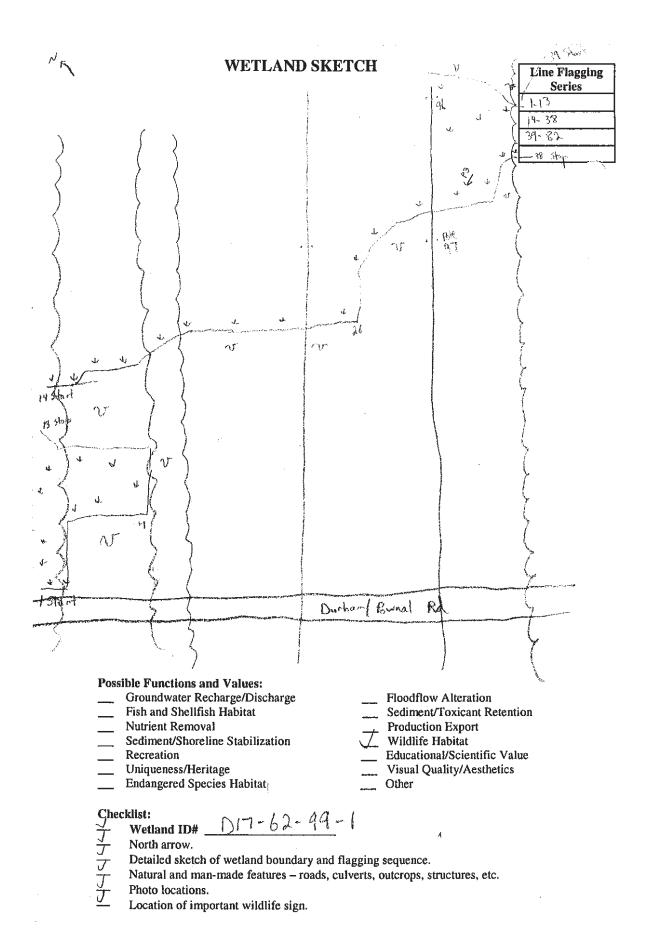
eto locations.

besided skreich of wetland boundary and flagging sequence. Vatural and man-made features – roads, culvents, outcrops, structures, etc.

Numbers Removal Sediment/Shoreling Stabilization

ANTOINE A CALIFORNIA A CALIFORN	NID CITAIN	mey rroje	A.	ream v
Observers: Gallosso/Billing in Pox Town: Ducham Segment #: 17 CMP Section #:	HADY SUIVING	Dote:	Tolskies	
Town:		Series 1	13,14-38,39-82,	83-100
Segment # : CMP Section #:	62 CMF	Pole #: 99	Wetland ID	#:017-62-99-1
Stream/Waterbody ID: NA			Corps plot:	Yes_√_No
Dominant NWI Class: PEM			Other NWI Class	ses: 1 ⁹⁵ 1 ^{20*} / ₂
Representative	Wetland Veg	etation (by S	trata):	1985 10% 1985 Y4
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Seizy Bugleweed Fin off Rub his		Alu inc	Ace	i bal
Jan off Rub his		5p: 10t	IAD	Carr
Car see Eur gra		Ace rub		
CAR Pull		Maleber	. A	
splag. Spl				
Ver has	tatina Watlan	d Unduclos		
Kepresei	ntative Wetlan	u nyurologi	,	
Permanently Flooded	Seaso	nally Floode	d <u>√</u>	_ Saturated
(approximate depth -)	(approximate	depth -)	
-		/		
Hydrologic Indicators:Sil	Deposition		Water-Stains	ed Leaves
Water Marks	Drift L	ines	Surface Sco	uring
			ees Elevat	
Other Observations: Some section	e al wetlan	d in undate	id w/ 1-3" d	stording H20
	Horizon	Color	Redox	Texture
Representative Depth Wetland Soils:	HOIIZOII	Color	Features	Texture
Mineral 8-0	0-	<u></u>		SAFEIC
		104E7/1	104R 3/4	Milke
Organic	84		10/R 3/6	
4 (23)	<u> </u>	1071(71)	16/15 3/60	- Clay
Other Observations	A war	() (-V	<u> </u>	
Other Observations: Meets NEIWPCC (2004) Criteria	MATERIA (D O "		
Width (Bank-Bank): Depth @	Center:	Peren.	Intermit	tent
Width (Bank-Bank): Depth @ Bank Configuration: Undercut	Vei	rtical	Gradual	
Channel Substrate:Peat-MuckSi	iit-Mud⁄Sa	ndGrave	el/CobbleBo	ulder
	Bedroo	ck		
Stream # 2 Data	Annton:	Daran	Intermit	tent
Width (Bank-Bank): Depth @	Center:	rtical	Intermit	item
Bank Configuration:Undercut Channel Substrate:Peat-MuckSi				uider
Channel Substrate:Feat-WidekSi	Bedroo		B0	aidoi
Wildlife Observations/Sign (e.g., tracks/			es, browse, dens	egg masses.
notential VP):		50, 40111011002	,00, 010,120, 42110,	- 66
Deer 115	IN.			
	ą.		*	
Notes: wetland recient AL at road crossin Lorge wetland	its hydro	lugy fro.	m Pomnal/I	Queham
Ad at road crossin	g ·	* 1 1 1	£	lac
1 . rai wetland	complex	stretching	tou want	PARCO
	1	/		1
□Cedar Swamp	Г	Wetland of S	Special Significan	ice
	WL 5W			

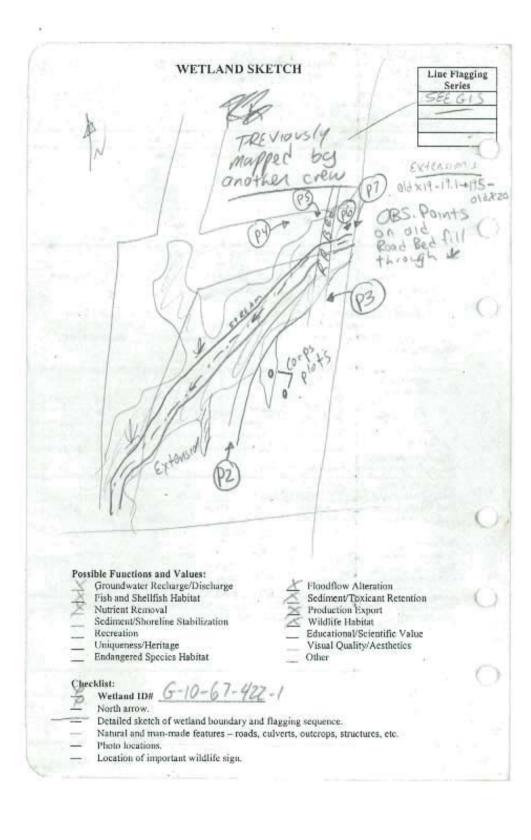
Photo # _____



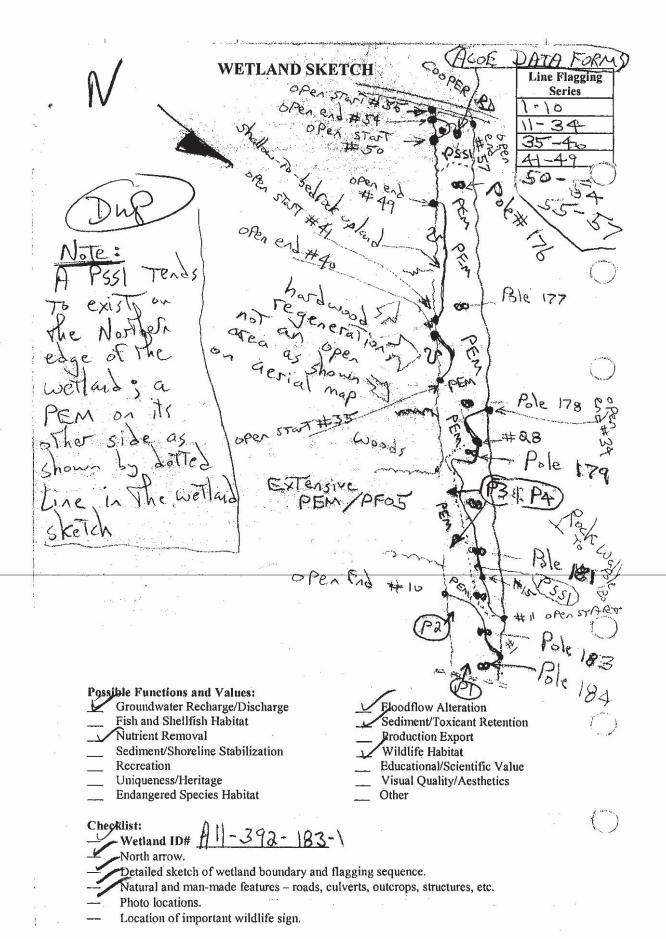
WOSS
Data Form Examples

Segment 5

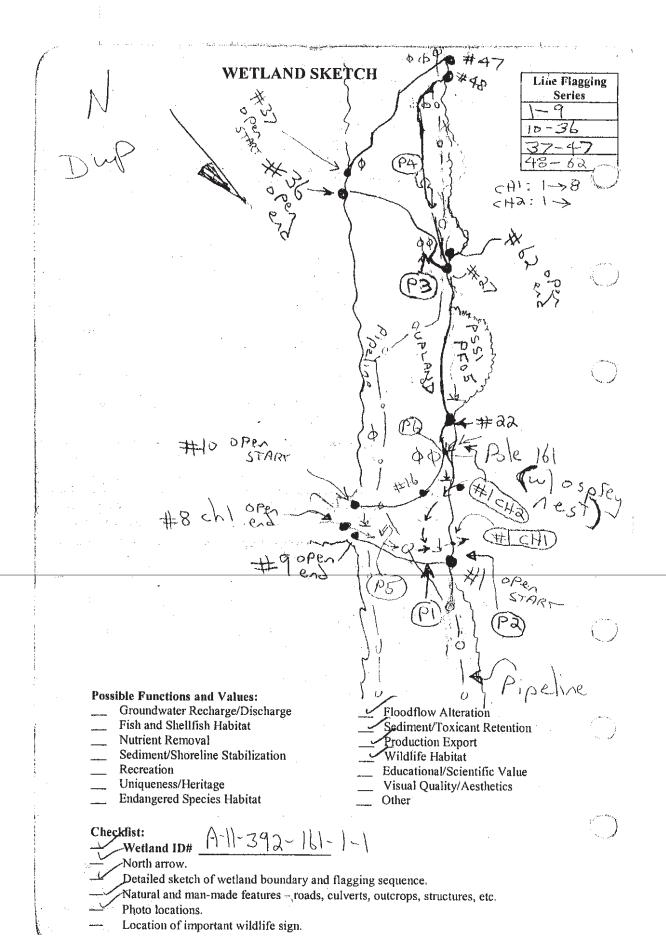
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Represe soded) sSiS	e Wetland Ve	regetation (by Separation (b) Separa	Water-Staine, Surface Sco	Satur
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Represe	e Wetland Ve	egetation (by S	Water-Staine	_ Satur
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Represe	Aftative Wetla Seas (approximate)	and Hydrology Post 1000S conally Flooded te depth - 12"	Water-Staine Surface Sco	ed Leav
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s Si Marks	Seas (approximate)	sonally Flooded to depth - 12	Water-Staine	ed Leav
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		Element of the second		
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Undercut	Ve	rtical andGravel	Gradual	
	Undercut	riteria	riteria	riteria



		Maine P	'ower Relia	bility Proj	ect	Team_
	Observers: DWP Town: WHITER	WETL	AND SUMM	IARY FOR	M S/>	1
	Town: WHITEE!	540	<u> </u>	Date:	1/5/	76/
	Segment #: 1	CMP Section	#: 397 CV	Series : P Pole # : 19 Pole	1-10:11-34	35-40-41-
	Stream/Waterbody ID:		· SA DE CIV		Corps plot	
L	Dominant NV	VI Class: ()	Sho/		11 200	
			ve Wetland Ve	gotoflan (h., f	Other NWI Cla	asses: 1255
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			entative Wetla	nd Hydrolog	v	
		110/0100		na riyarong	y	<i>_</i>
	Permanently F		Seas		<i>ب</i>	Saturated
	(approximate depth -)	(approximate	e depth -)	_
)	Hudrologie Indicate	C.	in part in			
	Hydrologic Indicato	18:5: Marks	iii Deposition	inon	Water-Stain Surface So	ned Leaves
	Drainage	Patterns		Buttressed Tra	ees Eleva	ouring
	Other Observations:		-	- WILLIAM 11	Licva	neu Roots
	Representative	Depth	Horizon	Color	Redox	Texture
	Wetland Soils:				Features	resture
	Mineral	0-16	Oa	10YR3		MUCK
	Organic					
				<u> </u>		
	Other Observations		L	<u> </u>		4
	Other Observations: Meets NEIWPCC (2004)	Criteria I	工 丁	aken,	reas #	9
	Stream # 1 Data:	CTICITA	=		70-0	
	Width (Bank-Bank):	Denth @	Center:	Peren	Intarni	ttant
	Bank Configuration:	Undercut	Vei	tical	Geodyal	
	Channel Substrate: Pea	t-MuckS	ilt-MudSai	ndGravel	/Cobble Bo	ulder
			Bedroo	k		
	Stream # 2 Data Width (Bank-Bank)	Double (2)	Conton	D		
	Width (Bank-Bank): Bank Configuration:	Undercut	Var	Peren tical	Intermit Gradual	ttent
	Channel Substrate: Pea	-Muck Si	ilt-Mud San	nvar 1d Gravel	Oraquai /Cobble Bo	ulder
-			Bedroc	<u>k</u>		
	Wildlife Observations/Sign	ı (e.g., tracks/	trails, dropping	s, dams/lodge:	s, browse, dens.	egg masses.
]	DOICHRAF VP 1:			~ \		Ju :
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	¥	7			•	
_	<u></u>					
1	Notes:					
	□Cedar Swan	393	.W .	17 it t a.e.		
-	UCGUAL SWAN	ih		vetland of Spe	cial Significand	e
F	Photo #		· ·		-	



		Maine P	ower Reliat	ility Proj	ect	Team A
	Observers: DWP,	WETL	AND SUMM		M 10/11/2	
	Town: WHITCEIEL	ZCD)	KW	Date:	<u>, 7.112 Q</u>	7
	Segment #:	MP Section #	. 707 CM	Series :	1-9,10-36	13/-41/da
	Stream/Waterbody ID:	# 11011392 11M	blalaCHI	P Pole #: 1	Corps plot:	Van Alla
	Dominant NV		- 1229	·	Other NWI Clas	
		Representativ	e Wetland Ves	etation (by	Strata):	
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	Think (s)	Funz	Jorium Sa	s Fu	n ara	sym lan
	ic mac	Sal	DO 4 0	Ca	r Gun	Tiolet
,	amburus sp .	200	141a.C.	C _ '	الأحدة حم	. 3h 10%
		019	can	20	116496 2/3	p calcan
	*.		entative Wetlai			
	Permanently F	looded	Seaso	nally Floode	:d	Saturated
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	Hydrologic Indicate		It Deposition Drift L		Water-Stain	
		Patterns			Surface Scorees Elevat	
	Other Observations:	- *************************************	· · · · · · · · · · · · · · · · · · ·		Dievat	va Noois
				ħ		
	Representative	Depth	Horizon	Color	Redox	Texture
	Wetland Soils:				Features	
	Mineral	0-4	1048412	Ap	None	SiL
	Organic	4-10	B9	2.5/41	CMF 2.575	SIL
	Organic	4-10.	B9 C9	2.5/4/1 5/3/1	CMF 2.375	SIL
	Organic			2.5/4/1 5/3/1	CMF 2.575	S/L SIK
	Other Observations:	10-14+	Cg	\$73/1		SIK
	Other Observations: Meets NEIWPCC (2004)	10-14+	Cg	\$73/1	CMF 2.3/4	SIK
- HI:	Other Observations: Meets NEIWPCC (2004) Stream # 1 Data:	10 - 14+ Criteria	C5 Pro	5y3/1 blem A	rea" (no	A horiza
~H):	Other Observations: Meets NEIWPCC (2004) Stream # 1 Data: Width (Bank-Bank):	Criteria Depth @	Center: 6"	blem P Peren.	rea" (no	SIK
	Other Observations: Meets NEIWPCC (2004) Stream # 1 Data: Width (Bank-Bank): Bank Configuration:	Criteria Depth @	Center: 6" Ver	blem Peren.	Pea" (noInterr	A horiza
: IH)	Other Observations: Meets NEIWPCC (2004) Stream # 1 Data: Width (Bank-Bank): Bank Configuration:	Criteria Depth @	Center: 6" Ver	blem P Peren. tical adGrave	rea" (no	A horiza
	Other Observations: Meets NEIWPCC (2004) Stream # 1 Data: Width (Bank-Bank): Bank Configuration: Channel Substrate: Pea Stream # 2 Data	Criteria Depth @	Center: Ver Iff-Mud Bedroo	Peren. tical adGrave	Interr Gradual Cobble Bou	A horizon
	Other Observations: Meets NEIWPCC (2004) Stream # 1 Data: Width (Bank-Bank): Bank Configuration: Channel Substrate: Pea Stream # 2 Data Width (Bank-Bank):	Criteria Depth @ Ondercut at-Muck Depth @ Depth @	Center: 6" Ver Center: 6" Ver Bedroo	Peren. tical nd Grave k Peren.	Interr Gradual El/Cobble Bou	A horizon
	Other Observations: Meets NEIWPCC (2004) Stream # 1 Data: Width (Bank-Bank): Bank Configuration: Channel Substrate: Pea Stream # 2 Data Width (Bank-Bank): Bank Configuration:	Criteria Depth @ Ondercut tt-Muck8 Depth @ Undercut	Center: 6" Ver Center: 6" Ver Center: 6"	Peren. tical adGrave k Peren.	Interr Gradual Interr Gradual Gradual	A horizan
	Other Observations: Meets NEIWPCC (2004) Stream # 1 Data: Width (Bank-Bank): Bank Configuration: Channel Substrate: Pea Stream # 2 Data Width (Bank-Bank):	Criteria Depth @ Ondercut tt-Muck8 Depth @ Undercut	Center: 6" Ver Center: 6" Ver ilt-Mud San Center: 6	Peren. tical tical d Grave	Interr Gradual El/Cobble Bou	A horizan
	Other Observations: Meets NEIWPCC (2004) Stream # 1 Data: Width (Bank-Bank): Bank Configuration: Channel Substrate: Pea Stream # 2 Data Width (Bank-Bank): Bank Configuration: Channel Substrate: Pea	Depth @	Center: 6" Ver Center: 6" Ver ilt-Mud San Bedrood	Peren. tical d Grave k Peren. tical d Grave	Interr Gradual Bou Gradual I/Cobble Bou	nittent dider
	Other Observations: Meets NEIWPCC (2004) Stream # 1 Data: Width (Bank-Bank): Bank Configuration: Channel Substrate: Pea Stream # 2 Data Width (Bank-Bank): Bank Configuration: Channel Substrate: Pea Wildlife Observations/Sig	Depth @	Center: Ver Center: Ver Mud San Bedroo	Peren. tical ndGrave k Peren. tical ndGrave k s, dans/lodge	Interr Gradual Bot Gradual Bot Gradual Bot Gradual Bot Gradual Bot Gradual Bot Bot Bot	mittent dider egg masses,
	Other Observations: Meets NEIWPCC (2004) Stream # 1 Data: Width (Bank-Bank): Bank Configuration: Channel Substrate: Pea Stream # 2 Data Width (Bank-Bank): Bank Configuration: Channel Substrate: Pea Wildlife Observations/Sig	Depth @	Center: Ver Center: Ver Mud San Bedroo	Peren. tical ndGrave k Peren. tical ndGrave k s, dans/lodge	Interr Gradual Bot Gradual Bot Gradual Bot Gradual Bot Gradual Bot Gradual Bot Bot Bot	mittent dider egg masses,
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	Other Observations: Meets NEIWPCC (2004) Stream # 1 Data: Width (Bank-Bank): Bank Configuration: Channel Substrate: Pea Stream # 2 Data Width (Bank-Bank): Bank Configuration: Channel Substrate: Pea Wildlife Observations/Sig	Depth @	Center: Ver Center: Ver Mud San Bedroo	Peren. tical ndGrave k Peren. tical ndGrave k s, dans/lodge	Interr Gradual Bou Gradual I/Cobble Bou	mittent dider egg masses,
	Other Observations: Meets NEIWPCC (2004) Stream # 1 Data: Width (Bank-Bank): Bank Configuration: Channel Substrate: Pea Width (Bank-Bank): Bank Configuration: Channel Substrate: Pea Wildlife Observations/Sig potential VP):	Depth @	Center: Ver Center: Ver Mud San Bedroo	Peren. tical ndGrave k Peren. tical ndGrave k s, dans/lodge	Interr Gradual Bot Gradual Bot Gradual Bot Gradual Bot Gradual Bot Gradual Bot Bot Bot	mittent dider egg masses,
	Other Observations: Meets NEIWPCC (2004) Stream # 1 Data: Width (Bank-Bank): Bank Configuration: Channel Substrate: Pea Stream # 2 Data Width (Bank-Bank): Bank Configuration: Channel Substrate: Pea Wildlife Observations/Sig	Depth @	Center: Ver Center: Ver Mud San Bedroo	Peren. tical ndGrave k Peren. tical ndGrave k s, dans/lodge	Interr Gradual Bot Gradual Bot Gradual Bot Gradual Bot Gradual Bot Gradual Bot Bot Bot	mittent dider egg masses,
	Other Observations: Meets NEIWPCC (2004) Stream # 1 Data: Width (Bank-Bank): Bank Configuration: Channel Substrate: Pea Width (Bank-Bank): Bank Configuration: Channel Substrate: Pea Wildlife Observations/Sig potential VP):	Depth @	Center: Ver Center: Ver Mud San Bedroo	Peren. tical ndGrave k Peren. tical ndGrave k s, dans/lodge	Interr Gradual Bot Gradual Bot Gradual Bot Gradual Bot Gradual Bot Gradual Bot Bot Bot	mittent dider egg masses,
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	Other Observations: Meets NEIWPCC (2004) Stream # 1 Data: Width (Bank-Bank): Bank Configuration: Channel Substrate: Pea Width (Bank-Bank): Bank Configuration: Channel Substrate: Pea Wildlife Observations/Sig potential VP):	Depth @	Center: Ver Center: Ver Mud San Bedroo	Peren. tical ndGrave k Peren. tical ndGrave k s, dans/lodge	Interr Gradual Bot Gradual Bot Gradual Bot Gradual Bot Gradual Bot Gradual Bot Bot Bot	mittent dider egg masses,
	Other Observations: Meets NEIWPCC (2004) Stream # 1 Data: Width (Bank-Bank): Bank Configuration: Channel Substrate: Pea Width (Bank-Bank): Bank Configuration: Channel Substrate: Pea Wildlife Observations/Sig potential VP):	Depth @	Center: 6" Ver Iff-Mud San Bedrood Center: 6" Ver ilt-Mud San Bedrood trails, dropping	Peren. tical d Grave k Peren. tical d Grave k s, dams/lodg	Interr Gradual Bot Gradual Bot Gradual Bot Gradual Bot Gradual Bot Gradual Bot Bot Bot	mittent dider egg masses,



Routine V	Vetland Field Data F	orm	(s) ID: 145
		WET-	178-06
7	Project Name:	2141	
	Cowardin Class(es)	& %: PS.	SIE
USH	Photo(s) #:	
4999	ed a por-	Hon of	Sting brd.
on (by stra	tum):		
os (cont.)	Shrubs/Saplings	Trees	Vines
	1		
SEE	FOR M	A	

Wetland Hydrology Indicators:

Dominant Vegetation (by stratum):

Herbs (cont.)

BOYLE

Date:

Job #:

Observers: Comments:

Herbs

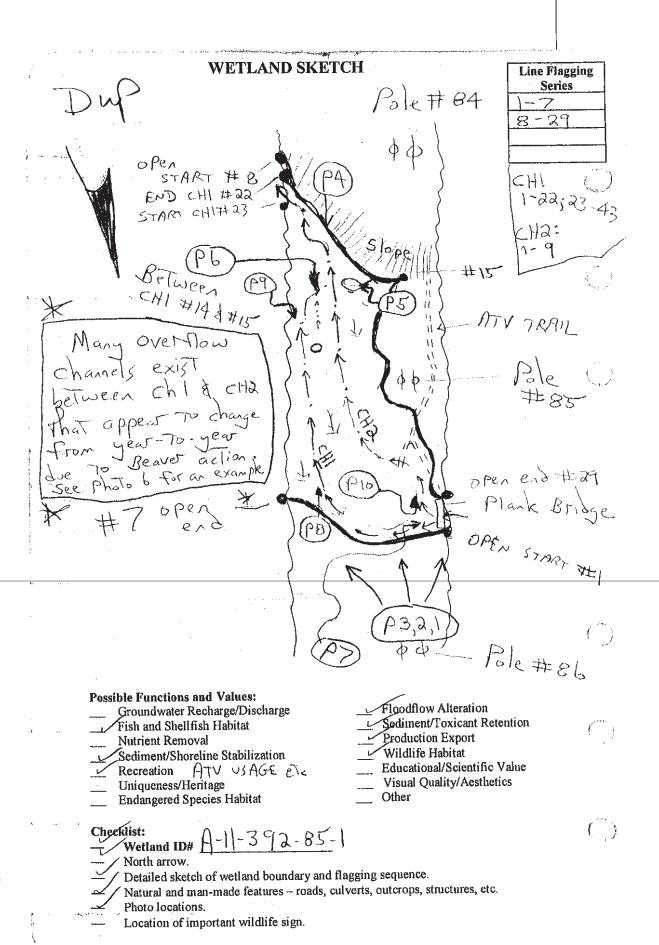
Perm. Floode	d Seasonal	ly Flooded/Saturated	Saturated
approx. depth:	_) (approx. dept	h:)	
*A1 – Surface water	*B5 – Iron deposits	*B15 - Marl deposits	*C7 – Thin muck surface
*A2 – High water table	B6 – Surface soil cracks	B16 – Moss trim lines	C8 – Crayfish burrows
*A3 – Saturation	*B7 – Inundated aerial imagery	*C1 – Hydrogen sulfide odor	C9 – Saturation visible on aerial imagery
*B1 – Water marks	*B8 – Sparse veg. concave surface	C2 – Dry-season water table	*D1 – Stunted or stressed plants
*B2 – Sediment deposits	*B9 – Water- stained leaves	*C3 – Oxidized rhizospheres - living root	*D2 – Geomorphic position
*B3 – Drift deposits	B10 – Drainage patterns	*C4 – Presence of reduced iron	*D3 – Shallow aquitard
*B4 – Algal mat or crust	*B13 – Aquatic fauna	*C6 – Recent iron reduction in tilled soils	*D4 – Microtopographic relief
*Denotes Primary In	dicator		*D5-FAC-neutral test

Representative Hydric Soils:

Depth (in)	Horizon	Texture	Color	Redox. Features	Other

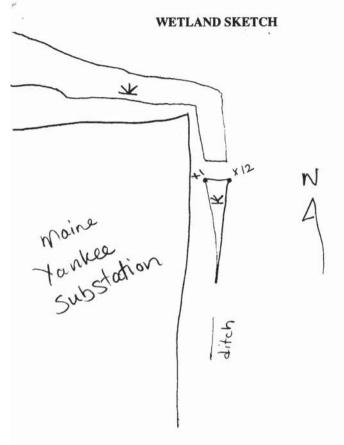
Hydric Soil Indicator & Reference: Other Soil Comments:

		Maine Power Reliability Project Team /
		Observers: Ktw, ccb, Dww Date: 10/23/07
		Town: ALNA Series: 1-7.8-28
	:	Segment #: 11 CMP Section #: 3.9.2 CMP Pole #: 85 Westend ID #: 1
		Stream/Waterbody ID: A-11-392-85-1-CHI Z Corps plot: Yes No.
	7-8	Dominant NWI Class: PSS Other NWI Classes:
	- and	Shrob Representative Wetland Vegetation (by Strata):
		All inc Spi alb, Tom Gly Can Dul aru
		Spi alb, Tom Gly Can Dularu
		Cal can cal scopsi
	()	Sci cyp
		Jun eff
		Representative Wetland Hydrology
		Permanently Flooded Seasonally Flooded Saturated
		(approximate depth -) (approximate depth -)
		Hydrologic Indicators: Silt Deposition Water-Stained Leaves
	-	Water Marks Drift Lines Surface Scouring
		Other Observations: Drainage Patterns Buttressed Trees Elevated Roots
		Representative Depth Horizon Color Redox Texture
		Wetland Soils: Features
		O TO TO THE TOTAL OF THE TOTAL
•		B-14 E-2 573/1 - Mucky Sil
•		
		Other Observations: Meets NEIWPCC (2004) Criteria I Frequently ponded/Flooded
	-^ \	Character 4 t D. J.
	CAI	Width (Bank-Bank): 8-35 Depth @ Center: Peren. Intermittent
	production of the second	Bank Configuration: Undercut Vertical Gradual
	- ペプ	Dounder No. 1
	\^	Stream #2 Data
	CHA	Width (Bank-Bank): Depth @ Center: Peren. Intermittent Bank Configuration: Undercut Vertical Gradual
		Bank Configuration:UndercutVerticalGradual Channel Substrate:Peat-MuckSilt-MudSandGravel/CobbleBoulder
		Bedrock
	· · · · · · ·	Wildlife Observations/Sign (e.g., tracks/trails, droppings, dams/lodges, browse, dens, egg masses,
		O 10 to 5
		Reavel Sign - Mibbled alders, Cogote scal;
	4800	potential VP): Reaver sign - nibbled alders; Coyote scat; ABA (see Photo 5)
		Notes: CHI with vaies; 25'708' TROUT BROOK
	N ,	CHI WIGH MANS, 45 TO 8 ROUT BROOK
		□Cedar Swamp Wetland of Special Significance
		Photo #



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-392-1-1 Maine Power Reliability Project Team F/A	ente con accomentación en esta esta La colonia de la colonia de la colonia Colonia de la colonia de la
A WETLAND SUMMARY FORM	
Observers: JLM, DAB Date: 101 23 08	aya war e earlie a sana
Town: WISCASSELL Series: X1 - X12	
	L. Cross on Londay 1
Stream/Waterbody ID: \(\superpressuremath{\text{A}}\) \(\text{Corps plot}:\(\superpressuremath{\text{Yes}}\) \(\text{No}\)	permitted and the second
Dominant NWI Class: PEW\ 859, Other NWI Classes: PSSI	
Representative Wetland Vegetation (by Strata):	per a constitute
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Spi. lat (sh, H) Sci. Cyp (H)	Acceptable 1921
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Ono. Sen(H)	
Representative Wetland Hydrology	En property compa
V	remedial and an arrespondent
Permanently Flooded Seasonally Flooded Saturated	t tyddet ar Awstourost
	real for mathemateristics
Hydrologic Indicators:Silt Deposition Water-Stained Leaves	M. E. Tomach in Company
Water Marks Drift Lines Surface Scouring	eur innerent izeren et inerenaki. Die europeische erholika
Drainage Patterns Buttressed Trees Elevated Roots	and the same of th
Other Observations:	
Impounded by road	RECORD OF STATE OF ST
	HING COST THE RESERVE OF
Italia	
	r ser ser ser ser ser ser ser ser ser se
	40 4 4 4 4
10 10 1 10 1 17 Jacon 10 1	
Disturbed 5011 16t rotasal	
Other Observations	
Other Observations: Gravel in Cg from disch.	
Meets NEIWPCC (2004) Criteria top soil gone Swanton	
Stream # 1 Data: Ditchinof Stream	
Width (Bank-Bank): Depth @ Center: Peren. Intermittent	
Bank Configuration:UndercutVerticalGradual Channel Substrate:Peat-MuckSilt-MudSandGravel/CobbleBoulder	
Bedrock	
Stream # 2 Data	
Width (Bank-Bank): Depth @ Center: Peren Intermittent	
Bank Configuration:Undercut Vertical Gradual	
Channel Substrate:Peat-MuckSilt-MudSandGravel/CobbleBoulder	
Bedrock	
Bedrock	
Bedrock Wildlife Observations/Sign (e.g., tracks/trails, droppings, dams/lodges, browse, dens, egg masses,	
Bedrock Wildlife Observations/Sign (e.g., tracks/trails, droppings, dams/lodges, browse, dens, egg masses,	
Bedrock Wildlife Observations/Sign (e.g., tracks/trails, droppings, dams/lodges, browse, dens, egg masses,	3 3
Bedrock Wildlife Observations/Sign (e.g., tracks/trails, droppings, dams/lodges, browse, dens, egg masses,	
Bedrock Wildlife Observations/Sign (e.g., tracks/trails, droppings, dams/lodges, browse, dens, egg masses,	9 9
Bedrock Wildlife Observations/Sign (e.g., tracks/trails, droppings, dams/lodges, browse, dens, egg masses, potential VP): Agrant Synck S	, ,
Bedrock Wildlife Observations/Sign (e.g., tracks/trails, droppings, dams/lodges, browse, dens, egg masses, potential VP): Agrant Synck S	, ,
Bedrock Wildlife Observations/Sign (e.g., tracks/trails, droppings, dams/lodges, browse, dens, egg masses, potential VP): dany dyack S	
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Bedrock Wildlife Observations/Sign (e.g., tracks/trails, droppings, dams/lodges, browse, dens, egg masses, potential VP): dany dyack S	

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Line Flagging
Series
X | - X | 2

Possible Functions and Values:

Groundwater Recharge/Discharge
Fish and Shellfish Habitat
Nutrient Removal
Sediment/Shoreline Stabilization
Recreation
Uniqueness/Heritage
Endangered Species Habitat

Floodflow Alteration
Sediment/Toxicant Retention
Ywildlife Habitat
Educational/Scientific Value
Visual Quality/Aesthetics
Other

Checklist:

Wetland ID# F-29-392-1-1

North arrow.

Detailed sketch of wetland boundary and flagging sequence.

Natural and man-made features - roads, culverts, outcrops, structures, etc.

Photo locations.

Location of important wildlife sign.

WOSS Data Form Examples

Merrill Road Converter Station

	Maine I	Power Relia	bility Proj	ect	Team_V
Observers KFA	VC_MELL	AND SUM	AARY FOR	M4/25/5	~
Town:	(2471)		Date:	1 (23 10	
Segment #: 14	CMP Section	#: 7 OT) CN	. Series 4P Pole #∙7 9	9 Wetland #	
Stream/Waterbody ID:			10101111	Corps plot	
Dominant N	Representative Wetland Vegetation (by Strata) Representative Wetland Vegetation (by Strata) Representative Wetland Hydrology Permanently Flooded				
		ve Wetland V	egetation (by	Strata) A/n	COS
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301 91g		-			
- 0)	
	Repres	entative Wetl	and Hydrolog	у	-,
Dannan antly I			11 701 5		
					Saturated
(approximate deptil -)	(approxima	ie depin -4	1)	
Hydrologic Indicat	ors: S	silt Denosition		Water-Stair	ned Leaves
			Lines \		
Drainage					
Other Observations:					
	<u> </u>				
Representative	Depth	Horizon	Color	Redox	Texture
Wetland Soils:	<u> </u>				
Mineral	2-0	10	IOMIZZ Z		tiplic
Organic	D-6	7.	St Wil		
	6-10	199	5045	1 104R41	A
				544 611	
Other Observations:		1.1		16	
	Criteria				
Stream # 1 Data:					
Width (Bank-Bank):	Depth @	(g) Center:	Peren.		mittent
Channel Substrate:Pe	at-MuckS			l/CobbleBo	ulder
Stream # 2 Data		Bedro	OCK		
Width (Bank-Bank):	Denth @	Center	Peren	Intor	mittant
	Underent				innitent
					ulder
	<u>/</u>				
Wildlife Observations/Sig	gn (e.g., tracks	trails, droppin	gs, dams/lodge	es, browse, dens.	egg masses.
potential VP):		•		,	-88
	•	/			
Notes:					
inotes:					
				-	
				٠	
□ Cedar Swamp)	OW	etland of Speci	ial Significance	
- 12/1/					
Photo #				SKET	TCH ON BAC

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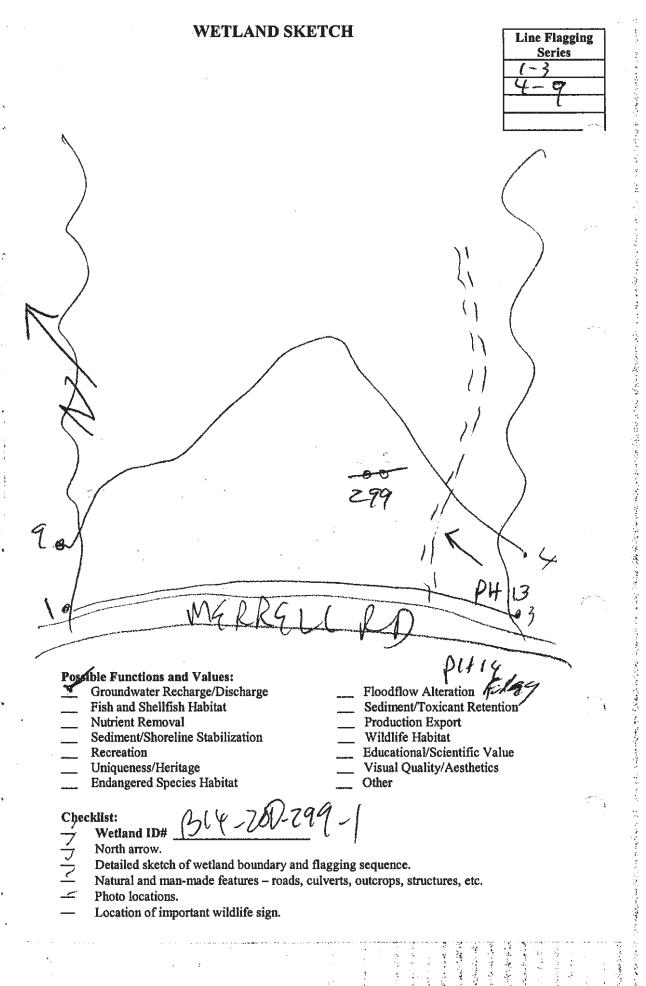
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Feature(s) ID: WET-PERRON-1

BOYLE

Routine Wetland Field Data Form

Date:4/30/17	te:4/30/17 Project Name: QMI				
Job #:532	Cowardin Class(es) & %: PFO 1/4 E				
Observers: J. Boyle, C.	Flink Photo(s) #: 2				
Comments: linear y	containing 2 VPs. (Isignifican				

Dominant Vegetation (by stratum):

Herbs	Herbs (cont.)	Shrubs/Saplings	Trees	Vines
osm cin	Abi bal	Abi bal	Ace rub	
ono sen	SPHAGNUM	Acer Top	Thu occ	
car cri		Bet Pen	Fra nig	
car str			Bet Pen	
			Abi bal	

Wetland Hydrology Indicators:

Perm. Flooded		ly Flooded/Saturated	Saturated
(approx. depth:	(approx. dept	h: 10")	
*A1 – Surface water	*B5 – Iron deposits	*B15 – Marl deposits	*C7 – Thin muck surface
*A2 – High water table	B6 – Surface soil cracks	B16 – Moss trim lines	C8 – Crayfish burrows
*A3 – Saturation	*B7 – Inundated aerial imagery	*C1 – Hydrogen sulfide odor	C9 – Saturation visible on aerial imagery
*B1 – Water marks	*B8 – Sparse veg. concave surface	C2 – Dry-season water table	*D1 – Stunted or stressed plants
*B2 – Sediment deposits	*B9 – Water- stained leaves	*C3 – Oxidized rhizospheres - living root	*D2 - Geomorphic position
*B3 – Drift deposits	B10 – Drainage patterns	*C4 – Presence of reduced iron	*D3 – Shallow aquitard
*B4 – Algal mat or crust	*B13 – Aquatic fauna	*C6 – Recent iron reduction in tilled soils	*D4 – Microtopographic relief
*Denotes Primary In	dicator		*D5-FAC-neutral test

Representative Hydric Soils:

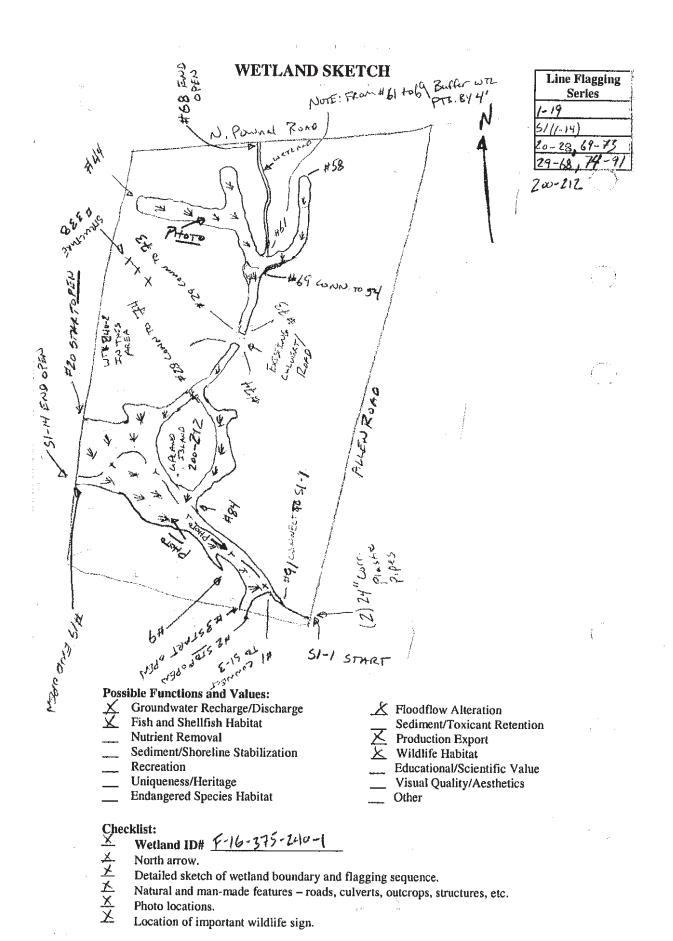
Depth (in)	Horizon	Texture	Color	Redox. Features	Other
0-20+	0	Sapric	BIK	_	very deep in
					centerof
					wefland.
					full auger
					length +.

Hydric Soil Indicator & Reference: A1, Histosol, Other Soil Comments:

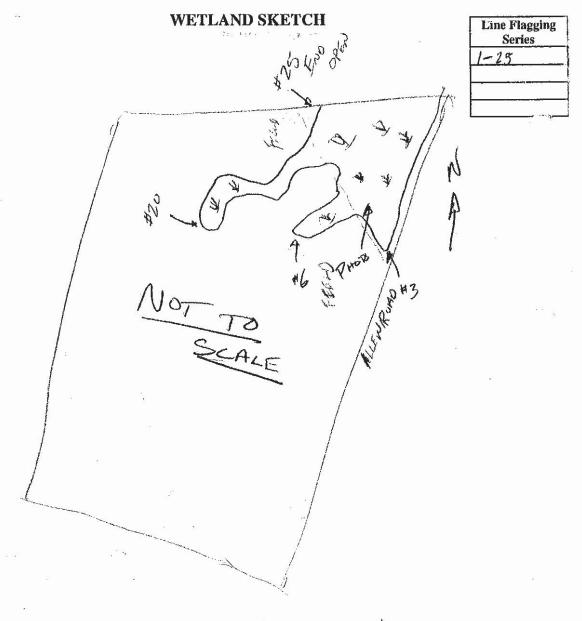
WOSS Data Form Example

Fickett Road Substation

		ower Relial AND SUMM			Team
Observers: MW, SE	**********	MIND BOMM	Date: /	10/9/07	
TOWN: アカルバタル			Series : :	1-19.5//1-14	
Segment # : _/6 C	MP Section #	375 CM	P Pole #: Z	Vo Wetland #	: /
Stream/Waterbody ID:	F16-5	375-2	40-1-	! Corps plot :	Yes_ <u>x</u>
Dominant NW	'I Class: PS	SIPEMI	,	Other NWI Cla	sses:
I	Representativ	e Wetland Ve	getation (by	Strata):	
Winter bury	ما	ork a reen	bulrush	elucturis o blue flag Soldago rag	bhisa
arrow wood		Joulants			
meedow sur	ا قطست	ريساري الأدان		Due thag	
meadow sur	eer +	eppha lat		Soldage mg	11.Sec
3-way se	dge C	enex crimit	د. ا		
	Represe	entative Wetla	nd Hydrolog	27	
					_
Permanently Fl			onally Floode		Saturate
(approximate depth -)	(approximat	e aepth -	,	
Hydrologic Indicato	rs: Si	ilt Deposition		Water-Stair	ed Leaves
	Patterns	Drift I	Buttressed T	rees Eleva	
Other Observations:					
Representative	Depth	Horizon	Color	Redox	Textu
Wetland Soils:	Debtu	110112011	Color	Features	Texte
X Mineral	0-3	0			ORGANIC
Organic	3-18	Bg	5/586	10%010484/6	
		9			
Other Observations:			•		
Meets NEIWPCC (2004)	Criteria <u>VI</u>	• * 			
Stream # 1 Data:	1		-1	1/	
Width (Bank-Bank): 5	Depth @	Center: $\frac{1.5}{2}$	Peren.	Inter	mittent
Bank Configuration:				Gradual	
Channel Substrate:Pea	it-Muck X_S	ont-MudSa	indGrave	el/CobbleBo	oulder
Stream # 2 Data		ந்தள்	CK		
Width (Bank-Bank):	Denth @	Center:	Peren.	Inter	mittent
Bank Configuration:		Ve		Gradual	
Channel Substrate:Pea					ulder
		Bedro	ck		
Wildlife Observations/Sig	n (e.g., tracks	trails, droppin	gs, dams/lodg	ges, browse, dens	, egg mass
potential VP):		4			
DEER B	EOS & TRA	CKS			
Notes:					
	,	2 00 1	1 2001	20.4	
reren.	STREAM t	suffered 1	py 725/1	EM WEILAN	11/2
□Cedar Swamp		\dw.	etland of Spec	cial Significance	
□Cedar Swamp			etland of Spe	cial Significance	
Cedar Swamp Photo # 3 PHOTOS, 2			etland of Spe		TCH ON



		wer Reliab			Team	
Observers: MW SE			Date: 10	19/07		
Town: PUNAL			Series :	1-25		
Segment # : /4 C	MP Section #:	375 CMF	Pole #:	√o Wetland #:	3	
Stream/Waterbody ID:		-		Corps plot :_	Yes X_No	
Dominant NW				Other NWI Class	ses:	
Red maple	Representative	Wetland Veg	etation (by S	Strata):		
R. A. K.	w tue	sha lut	50% x	uz. un	ul gross	
BLACK WELLOWS Typhalat Solving. woulgrass Arrow wood Janens eff. Son. form Spream Juneus can Cover lur.						
Spiren	T.	cus can	Lover	e lur.		
Amus	b/.	e flag	Cuitx	crin.		
		ntative Wetlan	d Undrolog	T)		
Permanently Fl	ooded		nally Floode	d K	Saturated	
	ors:Si Marks _ Patterns	Drift L	ines	Water-Staine Surface Sco	uring	
Representative Wetland Soils:	Depth	Horizon	Color	Redox Features	Texture	
Mineral	0-4	0		-	ORE	
Organic	4-17	Ba	5/561	790104R4/6	3160	
		0				
		<u> </u>	<u> </u>	<u> </u>	<u> </u>	
Other Observations: Meets NEIWPCC (2004) Criteria						
Stream # 1 Data: Width (Bank-Bank): Bank Configuration: Channel Substrate: Per Stream # 2 Data Width (Bank-Bank): Bank Configuration: Channel Substrate: Per	Undercut at-MuckS	ilt-MudSa Bedroo	rtical nd Grav ck Peren. rtical nd Grav	Gradual el/CobbleBot Intert Gradual	ulder mittent	
Wildlife Observations/Signotential VP):	gn (e.g., tracks	/trails, dropping		ges, browse, dens,	egg masses,	
Notes:	/					
	NA	۲				
□Cedar Swam	NA	Υ΄ _ _W	etland of Spe	cial Significance		



Possible Functions and Values: Y Groundwater Recharge/Discharge Fish and Shellfish Habitat Nutrient Removal Sediment/Shoreline Stabilization Recreation Uniqueness/Heritage Endangered Species Habitat	Floodflow Alteration Sediment/Toxicant Retention Production Export Wildlife Habitat Educational/Scientific Value Visual Quality/Aesthetics Other
Checklist: Wetland ID# F-16-375-240 North arrow. Detailed sketch of wetland boundar Natural and man-made features - ro	

Photo locations.

Location of important wildlife sign.

Exhibit D: USACE Data Plot Examples

USACE
Data Plot Examples

Segment 1

Investigator(s): SNIT ITSW Landform (hillslope, terrace, etc.): Value Slope (%): Lat: L1258 75 Soil Map Unit Name: Lat: L1258 75 Soil Map Unit Name: Are climatic / hydrologic conditions on the site. Are Vegetation , Soil , or Hydrologic Are Vegetation , Soil , or Hydrologic SUMMARY OF FINDINGS - Attach Hydrophytic Vegetation Present? Yethydric Soil Present?	Section, Townshi Local Long: 3.72 typical for this time of year? Yes ogy significantly disturbed? ogy naturally problematic? site map showing sampling posts s No Is the Sam within a wi	State: ME Sampling Date: MIS/T State: ME Sampling Point: Plot-4-5 p, Range:
Are Vegetation, Soil, or Hydrologic Conditions on the site. Are Vegetation, Soil, or Hydrologic Conditions on the site. Are Vegetation, Soil, or Hydrologic Conditions on the site. Are Vegetation, Soil, or Hydrologic Conditions on the site. Are Vegetation, Soil, or Hydrologic Conditions. Are Vegetation, Soil, or Hydrologic Conditions. By Hydrophytic Vegetation Present? Ye. Hydrophytic Vegetation Present? Ye. Hydric Soil Present? Ye. Wetland Hydrology Present? Ye. Remarks: (Explain alternative procedures he. A C / ** C A O C O C O C O C O C O C O C O C O C	Section, Townshi Local Long: 3.72 typical for this time of year? Yes ogy significantly disturbed? ogy naturally problematic? site map showing sampling posts s No Is the Sam within a wi	p, Range:
andform (hillslope, terrace, etc.): Lat:	typical for this time of year? Yes typical for this time of year? Yes ogy significantly disturbed? ogy naturally problematic? site map showing sampling posts No s No Is the Sam within a within	relief (concave, convex, none): Datum: NWI classification: No (If no, explain in Remarks.) Are "Normal Circumstances" present? Yes No (If needed, explain any answers in Remarks.) sint locations, transects, important features, etc. Impled Area Wetland? Yes No Jonal Wetland Site ID: Secondary Indicators (minimum of two required) Surface Soil Cracks (B6)
Are climatic / hydrologic conditions on the site of the vegetation, Soil, or Hydrologic conditions on the site of the vegetation, Soil, or Hydrologic conditions on the site of the vegetation, Soil, or Hydrologic conditions on the site of the vegetation, Soil, or Hydrologic conditions on the site of the vegetation, soil, or Hydrologic conditions on the site of the vegetation, soil, or Hydrologic conditions on the site of the vegetation, soil, or Hydrologic conditions on the site of the vegetation, soil, or Hydrologic conditions on the site of Hydrologic conditions on the sit	typical for this time of year? Yes ogy significantly disturbed? ogy naturally problematic? site map showing sampling posts No Is the Same within a wi	NWI classification: No (If no, explain in Remarks.) Are "Normal Circumstances" present? Yes No (If needed, explain any answers in Remarks.) Sint locations, transects, important features, etc. Inpled Area Wetland? Yes No Joinal Wetland Site ID: Secondary Indicators (minimum of two required) Surface Soil Cracks (B6)
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Are Vegetation, Soil, or Hydrologummary OF FINDINGS — Attach Hydrophytic Vegetation Present? Yestydric Soil Present? Yestydetland Hydrology Present? Yesteland Hydrology Present? Yesteland Hydrology Indicators: Primary Indicators (minimum of one is required in the second in the sec	ogy naturally problematic? s site map showing sampling possible sampling poss	(If needed, explain any answers in Remarks.) Sint locations, transects, important features, etc. Impled Area Netland? Yes No Joinal Wetland Site ID: Secondary Indicators (minimum of two required) Surface Soil Cracks (B6)
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Remarks: (Explain alternative procedures he compared to the co	ere or in a separate report.)	Secondary Indicators (minimum of two required) Surface Soil Cracks (B6)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one is required by the surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B1) Sparsely Vegetated Concave Surface (Includes Capillary fringe)		Surface Soil Cracks (B6)
Wetland Hydrology Indicators: Primary Indicators (minimum of one is required on the image of t	ed; check all that apply)	Surface Soil Cracks (B6)
Primary Indicators (minimum of one is requir Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B: Sparsely Vegetated Concave Surface (IFIELD Observations: Surface Water Present? Water Table Present? Yes Saturation Present? Yes (includes capillary fringe)	ed; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B: Sparsely Vegetated Concave Surface (IField Observations: Surface Water Present? Water Table Present? Yes Saturation Present? Yes (includes capillary fringe)	eg, check all that apply)	
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Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B: Sparsely Vegetated Concave Surface (I Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes (includes capillary fringe)	Water-Stained Leaves (B9) Aquatic Fauna (B13)	Moss Trim Lines (B16)
Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B) Sparsely Vegetated Concave Surface (I Field Observations: Surface Water Present? Water Table Present? Yes Saturation Present? Yes (includes capillary fringe)	Marl Deposits (B15)	Dry-Season Water Table (C2)
Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B) Sparsely Vegetated Concave Surface (I Field Observations: Surface Water Present? Water Table Present? Yes Saturation Present? Yes (includes capillary fringe)	Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)
Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B) Sparsely Vegetated Concave Surface (I Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes (includes capillary fringe)	Oxidized Rhizospheres on Livin	g Roots (C3) Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (Bit	Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)
Iron Deposits (B5) Inundation Visible on Aerial Imagery (B' Sparsely Vegetated Concave Surface (I Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes (includes capillary fringe)	Recent Iron Reduction in Tilled	Soils (C6) Geomorphic Position (D2)
Sparsely Vegetated Concave Surface (I Field Observations: Surface Water Present? Water Table Present? Saturation Present? Yes (includes capillary fringe)	Thin Muck Surface (C7)	Shallow Aquitard (D3)
Field Observations: Surface Water Present? Water Table Present? Saturation Present? Yes (includes capillary fringe)		Microtopographic Relief (D4)
Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes (includes capillary fringe)	B8)	FAC-Neutral Test (D5)
Water Table Present? Yes Saturation Present? Yes (includes capillary fringe)		
Saturation Present? Yes	No Depth (inches):	-
(includes capillary fringe)	No Depth (inches):	- Wetland Hydrology Present? Yes No X
Describe Recorded Data (stream gauge, mo	No Depth (inches):	Wetland Hydrology Present? Yes No
Describe Necorded Bata (Sucam gauge,	onitoring well, aerial photos, previous insp	ections), if available:
	, , , , , , , , , , , , , , , , , , , ,	
Remarks:		1

Depth	Matrix			x Feature:		••••••••	the absence of ind		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	_Loc ²	Texture	Rema	ırks
0-13	104R 3/3	100					L		
13-18+	2.58 5/4	100					s.L		
									111
									190
		 .							
									L
¹Type: C=Co	oncentration, D=Dep	oletion, RM=	Reduced Matrix, CS	=Covered	or Coate	d Sand Gra		PL=Pore Linir	ng, M=Matrix.
Histosol Histic Ep Black His Hydroger Stratified Depleted Thick Da Sandy M Sandy Gi Sandy Re Stripped Dark Suri	(A1) ipedon (A2) stic (A3) n Sulfide (A4) Layers (A5) Below Dark Surfac rk Surface (A12) ucky Mineral (S1) leyed Matrix (S4) edox (S5) Matrix (S6) face (S7) (LRR R, M	ILRA 149B,	Polyvalue Belov MLRA 149B) Thin Dark Surfa Loamy Mucky M Loamy Gleyed I Depleted Matrix Redox Dark Sur Depleted Dark Sur Redox Depressi	ce (S9) (L fineral (F1 Matrix (F2) (F3) face (F6) Surface (F ons (F8)	RR R, ML) (LRR K,	.RA 149B) L)	Coast Prairie 5 cm Mucky F Dark Surface Polyvalue Bel Thin Dark Sur Iron-Mangane Piedmont Floo Mesic Spodic Red Parent M Very Shallow Other (Explair	10) (LRR K, L Redox (A16) (Peat or Peat (S (S7) (LRR K, ow Surface (S face (S9) (LRI se Masses (F odplain Soils (I (TA6) (MLRA aterial (TF2)	, MLRA 149B) LRR K, L, R) (3) (LRR K, L, R) L) 8) (LRR K, L) R K, L) 12) (LRR K, L, R) F19) (MLRA 149B) 144A, 145, 149B)
Depth (incl	hes):						Hydric Soil Preser	it? Yes	No_ <u>K</u>

Project/Site: Q M Z	Citv/Countv:		Sampling Date: 4//3/17
Applicant/Owner: CMP	,	State: M	Sampling Point: Plot- 4-5 - WET
Investigator(s): 5NH HSW		o, Range:	Sampling Point: 1/6/-/
1 4 - 0 - 1 - 1 - 1 - 1			
Slope (%): 1% Lat: ~1 Z 58 SS. 06 F+ V	Local 3072	relief (concave, convex, none):	
Soil Map Unit Name:	_ Long:		Datum: NAD83
			ation: PSSIE
Are climatic / hydrologic conditions on the site typical for this time of y			
Are Vegetation, Soil, or Hydrology significantly		Are "Normal Circumstances" p	resent? Yes No
Are Vegetation, Soil, or Hydrology naturally pr		(If needed, explain any answer	
SUMMARY OF FINDINGS – Attach site map showing	g sampling poi	nt locations, transects	, important features, etc.
Hydrophytic Vegetation Present? Yes No	Is the Sam	pled Area	
Hydric Soil Present? Yes No		etland? Yes	No
Wetland Hydrology Present? Yes No Remarks: (Explain alternative procedures here or in a separate repo		onal Wetland Site ID:	
in cleaned Row			
HYDROLOGY			`S
Wetland Hydrology Indicators:		Secondary Indicat	ors (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)		Surface Soil (
Surface Water (A1) Water-Stained	Leaves (B9)	Drainage Patt	` '
High Water Table (A2) Aquatic Fauna	(B13)	Moss Trim Lir	, ,
✓ Saturation (A3) Marl Deposits	(B15)		Vater Table (C2)
Water Marks (B1) Hydrogen Sulfi		Crayfish Burro	• •
D :0 D :	ospheres on Living F		sible on Aerial Imagery (C9)
	educed Iron (C4) eduction in Tilled So		ressed Plants (D1)
Iron Deposits (B5) Thin Muck Sur		• •	· · ·
Inundation Visible on Aerial Imagery (B7) Other (Explain	• •	Shallow Aquit Microtopograp	
Sparsely Vegetated Concave Surface (B8)	,	FAC-Neutral	
Field Observations:			(20)
Surface Water Present? Yes No Depth (inches):		٥
Water Table Present? Yes No Depth (inches			
Saturation Present? Yes Vo Depth (inches includes capillary fringe)):	Wetland Hydrology Present	? Yes No
Describe Recorded Data (stream gauge, monitoring well, aerial photo	 os, previous inspect	ions), if available:	
	•	,	
Remarks:			

VEGETATION – Use scientific names of plants.

_ /	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30)	% Cover	Species?	Status	Number of Dominant Species
1				That Are OBL, FACW, or FAC:(A)
2.				Total Number of Dominant
3				Species Across All Strata: (B)
4.				Percent of Dominant Species
				That Are OBL, FACW, or FAC: (A/B)
5				
6				Prevalence Index worksheet:
7.			· · · · · · · · · · · · · · · · · · ·	Total % Cover of: Multiply by:
		= Total Cov	ver	OBL species x 1 =
Sapling/Shrub Stratum (Plot size:	.)			FACW species x 2 =
1. Rose multiflora	7			FAC species x 3 =
2. Alorus incana			Face	FACU species x 4 =
		1	Forw	UPL species x 5 =
3. Lyonia liqueta man		·	Jal W	Column Totals: (A) (B)
4.				
5. Parture cose!				Prevalence Index = B/A =
6				Hydrophytic Vegetation Indicators:
7			_	Rapid Test for Hydrophytic Vegetation
		= Total Cov		Dominance Test is >50%
		_ rotal Co	ve:	Prevalence Index is ≤3.0 ¹
Herb Stratum (Plot size: 5')				Morphological Adaptations ¹ (Provide supporting
1. Onoclea sensibilis				data in Remarks or on a separate sheet)
2. Carer Inpulina			<u>Ob!</u>	Problematic Hydrophytic Vegetation ¹ (Explain)
3. Solidago rugosa	45	✓	Fue	4
4. Dodlingeria umbellatu	10			¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
E American dans	30		Face	
5. Ayrosh's gigan ten			raco	Definitions of Vegetation Strata:
6				Tree - Woody plants 3 in. (7.6 cm) or more in diameter
7				at breast height (DBH), regardless of height.
8.				Sapling/shrub – Woody plants less than 3 in. DBH
9				and greater than 3.28 ft (1 m) tall.
40				Horb All herbacous (non woody) plants regardless
				Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
11.				Manda da a Alfana da a a a a a a a a a a a a a a a a a
12				Woody vines – All woody vines greater than 3.28 ft in height.
	120	= Total Co	ver	· · · · · · · · · · · · · · · · · · ·
Woody Vine Stratum (Plot size:)				
1				
2				
3	<u> </u>			Hydrophytic
4				Present? Yes No
		= Total Co	ver	
4	rate sheet.)		ver	Vegetation Present? Yes No

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)										
Depth	Matrix		Redo	x Features	<u> </u>					
(inches)	Color (moist)	<u> %</u>	Color (moist)		Type ¹	Loc ²	Texture	$\frac{1}{2}$	Remarks	
0-2	2.54 3/3	95	7.5 YR4/3	<u> </u>		PL			zed Khiz	
2-8	2.544/2	95	7.5YR4/3			PL_	<u> </u>	Orioda's	reed Rhiz	ა
B-14	2,544/2	<u>75</u>	104R 5/6	20		m				
			Z5Y 5/1	5_						
				. 						
						. ——				
` 									·	
									· · · · · · · · · · · · · · · · · · ·	
								 		
1							. 2.			
'Type: C=Ce Hydric Soil	oncentration, D=Depl Indicators:	etion, RM	=Reduced Matrix, CS	S=Covered	i or Coat	ed Sand Gra			Pore Lining, M=1 matic Hydric So	
Histosol			Polyvalue Belov	w Surface	(S8) (LR	R R,			(LRR K, L, MLR	
	oipedon (A2)		MLRA 149B)						ox (A16) (LRR K	
Black Hi	istic (A3) en Sulfide (A4)		Thin Dark Surfa		-	-		Mucky Peat Surface (S7)	or Peat (S3) (LR	R K, L, R)
	d Layers (A5)		Loamy Gleyed			·, -/			Surface (S8) (LR	RK,L)
	d Below Dark Surface	e (A11)	✓ Depleted Matrix						(S9) (LRR K, L)	
	ark Surface (A12) fucky Mineral (S1)		Redox Dark Su Depleted Dark		7)			_	Masses (F12) (LF ain Soils (F19) (N	
-	Gleyed Matrix (S4)		Redox Depress		•				6) (MLRA 144A,	
-	Redox (S5)							arent Materi	ial (TF2) k Surface (TF12)	
	l Matrix (S6) rface (S7) (LRR R, N	ILRA 149	В)					(Explain in i		
	f hydrophytic vegetat		etland hydrology mus	t be prese	ent, unles	s disturbed	or problemati	c.		
	Layer (if observed):								,	,
Type:							Hydric Soi	l Drocont?	Yes	No
Depth (in	cnes):						Tiyane oo	i r iesent:	163	

WET-49-04

Wetland ID: MGWHSW25

Project/Site: Moxie Go	ro - D.	· - ` e D ((Dadness City	County: M	wie Go	c e	Compling Date: 7-	9-14			
Applicant/Owner:) (0	121 30 1	City	County	10×1 < 00×	St-1 11/2	Sampling Date:	100-1			
Applicant/Owner: / ///	CO					State: /VIB	_ Sampling Point:	JP-1			
Investigator(s): #8W Landform (hillslope, terrace, or	1	4-1.0-	Sec	tion, Township	, Range:	Moxie	gove				
Landform (hillslope, terrace,	etc.):/_	11810 /2	Local r	elief (concave,	convex, none	e):	Slope (%	6): <u> </u>			
Subregion (LRR or MLRA): _	LU	<u></u> l	_at:		Long:		Datum:				
Soil Map Unit Name:						NWI classification:					
Are climatic / hydrologic cond	litions on the	e site typica	al for this time of year?	Yes I	No (If	f no, explain in Re	emarks.)				
Are Vegetation/, Soil _								No			
Are Vegetation/_, Soil _	A) or F	lydrology _	N naturally problem			plain any answer		110			
SUMMARY OF FINDIN								res, etc.			
Hydrophytic Vegetation Pre Hydric Soil Present?			No × No × No ×		etland?		No<				
Wetland Hydrology Present Remarks: (Explain alternati				If yes, option	onal Wetland S	Site ID:					
HYDROLOGY											
	itors:					Coondon (ladies	h (:-:				
Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply)							tors (minimum of two	requirea)			
Surface Water (A1)	ii oi one is i	equired, ci		(DO)	-	Surface Soil					
High Water Table (A2)		-	Water-Stained Leav Aquatic Fauna (B1)		-	Drainage Pat					
Saturation (A3)			Marl Deposits (B15		-	Moss Trim Lines (B16) Dry-Season Water Table (C2)					
Water Marks (B1)			Hydrogen Sulfide C		14-7	Crayfish Burrows (C8)					
Sediment Deposits (B2	.)		Oxidized Rhizosphe		Roots (C3)						
Drift Deposits (B3)			Presence of Reduc		_	Stunted or Stressed Plants (D1)					
Algal Mat or Crust (B4)			Recent Iron Reduct	tion in Tilled So	oils (C6)						
Iron Deposits (B5)			Thin Muck Surface		_	Shallow Aquitard (D3)					
Inundation Visible on A			Other (Explain in R	emarks)	_	Microtopographic Relief (D4)					
Sparsely Vegetated Co	ncave Surfa	ace (B8)			_	FAC-Neutral	Test (D5)				
Field Observations:	V	N	D # 6 1								
Surface Water Present? Water Table Present?			Depth (inches):								
Saturation Present?			Depth (inches):		VAC 41 111			×			
(includes capillary fringe)			Depth (inches):			drology Presen	t? Yes No	/			
Describe Recorded Data (s	tream gauge	e, monitorir	ng well, aerial photos, p	revious inspec	tions), if availa	able:					
Remarks:											

VEGETATION – Use scientific names of plants.

<u> </u>		Sampling Point:
Tree Stratum (Plot size:30)	Absolute Dominant Indicator <u>% Cover Species? Status</u>	Dominance Test worksheet:
1. Red maple		Number of Dominant Species
2. Sugar maple		That Are OBL, FACW, or FAC: (A)
3. Balsam Fir	40	Total Number of Dominant Species Across All Strata: (B)
4. White birch	10	
		Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
5		MILLAIC OBE, FACIVI, OF FAC. (AVB)
6		Prevalence Index worksheet:
7		Total % Cover of: Multiply by:
10	= Total Cover	OBL species x 1 =
Sapling/Shrub Stratum (Plot size:)		FACW species x 2 =
1. Red Maple	0	FAC species x 3 =
2. Balsan fir		FACU species x 4 =
3. Am Hazelnut		UPL species x 5 =
4. White birch	10	Column Totals: (A) (B)
5		Prevalence Index = B/A =
6		Hydrophytic Vegetation Indicators:
7		1 - Rapid Test for Hydrophytic Vegetation
		2 - Dominance Test is >50%
Herb Stratum (Plot size: 5)	= Total Cover	3 - Prevalence Index is ≤3.0 ¹
1. Starfower	75	4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
2. moss spp.	_20_	Problematic Hydrophytic Vegetation ¹ (Explain)
3. Club moss	5	
4. Mia Can	5	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
5. Viola Spp.		•
6		Definitions of Vegetation Strata:
7		Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
8		
9		Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
10		Herb – All herbaceous (non-woody) plants, regardless
11		of size, and woody plants less than 3.28 ft tall.
12		Woody vines – All woody vines greater than 3.28 ft in
	- Total Cause	height.
Noody Vine Stratum (Plot size:)	= Total Cover	
1		
2.		
3		Hydrophytic
4.		Vegetation Present? Yes No
	= Total Cover	

SOIL

Sampling Point: _____

		to the depti				or confirn	m the absence of indicators.)
Depth (inches)	Matrix Color (moist)		Color (moist)	Features %	_Type ¹	_Loc ²	
1-0	10 41 3/2	100					organic dul
17-5	7.541314	100					organic dust
	1.51.511	100					silt loan
							refusal Q 6"
	-						
		-					
¹ Type: C=Co	oncentration, D=Depl	etion, RM=F	Reduced Matrix, MS=	Masked	Sand Gra	ins.	² Location: PL=Pore Lining, M=Matrix.
Hydric Soil I							Indicators for Problematic Hydric Soils ³ :
Histosol	(A1) Dipedon (A2)	-	_ Polyvalue Below	Surface ((S8) (LRR	R,	2 cm Muck (A10) (LRR K, L, MLRA 149B)
Black Hi			MLRA 149B) Thin Dark Surface	0 (80) (1	DD D MI	DA 440D)	Coast Prairie Redox (A16) (LRR K, L, R)
	n Sulfide (A4)		Loamy Mucky Mi	neral (F1	(LRR K.	.KA 149B) L)	3) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Dark Surface (S7) (LRR K, L)
	Layers (A5)		Loamy Gleyed M	atrix (F2)	, (=,	-/	Polyvalue Below Surface (S8) (LRR K, L)
	Below Dark Surface	e (A11) _	Depleted Matrix (Thin Dark Surface (S9) (LRR K, L)
	ark Surface (A12) lucky Mineral (S1)	_	_ Redox Dark Surfa		7)		Iron-Manganese Masses (F12) (LRR K, L, R)
	Gleyed Matrix (S4)	(. 	Depleted Dark StRedox Depression		()		Piedmont Floodplain Soils (F19) (MLRA 149B
	edox (S5)	_	redox Depressio	113 (1 0)			Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Red Parent Material (F21)
	Matrix (S6)						Very Shallow Dark Surface (TF12)
Dark Sui	rface (S7) (LRR R, M	ILRA 149B)					Other (Explain in Remarks)
3Indicators of	f hydrophytic vegetati	ion and wetl	and hydrology must	ho propo	nt unlana	اد د داد، بلامناه	d accorded
Restrictive L	ayer (if observed):	on and wet	and flydrology must	ne preser	nt, unless	disturbed	d or problematic.
Type:							
Depth (inc	ches):						Hydric Soil Present? Yes No
Remarks:	14.000						Nyana san rasant. Tas No
Roll	fusal Q	600					
100	Posses						
	200						

WET-49-04

Wetland ID: MGWHSW25

Project/Site: Moxie Gore - Dirigo	Partners City/County	. Moxie Gore	Sampling Date: 7-9-14
Applicant/Owner: CMPCo		Stat	e: ME Sampling Point: Wet - 1
Investigator(s): #8W JFM SA	MG Section To	washin Range:	ME
Landform (hillslope, terrace, etc.):			
Subregion (LRR or MLRA):			
Soil Map Unit Name:			
Are climatic / hydrologic conditions on the site typic			
Are Vegetation $\underline{\mathcal{N}}$, Soil $\underline{\mathcal{N}}$, or Hydrology			
Are Vegetation $\underline{\mathcal{N}}$, Soil $\underline{\mathcal{N}}$, or Hydrology _	naturally problematic?	(If needed, explain	any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site	e map showing samplin	g point locations, t	ransects, important features, etc.
Hydric Soil Present? Yes	No with		Yes No D:_Maw HS W 25
HYDROLOGY			
Wetland Hydrology Indicators:		Seco	ndary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; of	heck all that apply)		Surface Soil Cracks (B6)
Surface Water (A1)	Water-Stained Leaves (B9		Orainage Patterns (B10)
High Water Table (A2)	Aquatic Fauna (B13)		Moss Trim Lines (B16)
★ Saturation (A3) Water Marks (B1)	Marl Deposits (B15)		Ory-Season Water Table (C2)
Sediment Deposits (B2)	Hydrogen Sulfide Odor (C*		Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron		Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in T		Geomorphic Position (D2)
Iron Deposits (B5)	Thin Muck Surface (C7)		Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks		Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)		<u>></u> 1	AC-Neutral Test (D5)
Field Observations:			
	Depth (inches):		
	Depth (inches):		×4
(includes capillary fringe)	Depth (inches):		logy Present? Yes No
Describe Recorded Data (stream gauge, monitor	ing well, aerial photos, previous	s inspections), if available	
*			
Remarks:			
la , a a — a — a — a — a —			

VEGETATION – Use scientific names of plants.

Sampling Point: WC+-1

Tree Stratum (Plot size: 30 Ct)	Absolute Dominant Indicator % Cover Species? Status	Dominance Test worksheet:
1. Silver Maple		Number of Dominant Species
2 Cada		That Are OBL, FACW, or FAC: (A)
2. Cedar 3. Black ASh		Total Number of Dominant
4. Red Spruce	<u> </u>	Species Across All Strata: (B)
4. Rea spure		Percent of Dominant Species
5. Balsam Air		That Are OBL, FACW, or FAC: (A/B)
6		Prevalence Index worksheet:
7		Total % Cover of: Multiply by:
	= Total Cover	OBL species x 1 =
Sapling/Shrub Stratum (Plot size:15 ft)		FACW species x 2 =
1. Balsan fir	75	FAC species x 3 =
2. Red Maple		FACU species x 4 =
3. Ln' ID'd Shrub		UPL species x 5 =
4. Jellow birch		Column Totals: (A) (B)
5 While bice D		Prevalence Index = B/A =
5. White birch	1	
6. Cedar		Hydrophytic Vegetation Indicators:
7. Red Spruce		1 - Rapid Test for Hydrophytic Vegetation
	= Totál Cover	2 - Dominance Test is >50%
Herb Stratum (Plot size: 5++)		3 - Prevalence Index is ≤3.0¹
1. Spagnum moss	98 V	4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
2. Burchberry		Problematic Hydrophytic Vegetation ¹ (Explain)
3. Bidens		
4. Jewelweed	7	¹ Indicators of hydric soil and wetland hydrology must
5. Sarsparilla		be present, unless disturbed or problematic.
		Definitions of Vegetation Strata:
6. Bristly deurbarry		Tree – Woody plants 3 in. (7.6 cm) or more in diameter
7. Goldthread		at breast height (DBH), regardless of height.
8. Ladyfeen	<u> </u>	Sapling/shrub – Woody plants less than 3 in. DBH
9. Clearer		and greater than or equal to 3.28 ft (1 m) tall.
10. Carey Spp.		
11		of size, and woody plants less than 3.28 ft tall.
12		Woody vines – All woody vines greater than 3.28 ft in
	= Total Cover	height.
Woody Vine Stratum (Plot size:)	ACTION HOLD CLASSIA	
1		
	AND SCHOOL STATE OF THE STATE O	
2		
3		Hydrophytic Vegetation
4		Present? Yes No
	= Total Cover	
Remarks: (Include photo numbers here or on a separate s	sheet.)	
ti		4. 2
		4

SOIL

Sampling Point: _____

Depth	Matrix	the depth		rent the indic Features	ator or confir	m the absence o	t indicato	ors.)	
(inches)	Color (moist)	%	Color (moist)		/pe ¹ Loc ²	Texture		Remarks	
llet	10yr3/2	100	NA			Organi	_		
	1								
						-			
									- AF
									(a)
¹Type: C=Co	ncentration, D=Deple	tion RM=R	educed Matrix MS	=Maskad Sar	nd Grains	21 postion:	DI -Dasa	Lining M. M. L	
Hydric Soil I	ndicators:	tion, run it	Caacca Matrix, MO	-Masked Sai	id Grains.			Lining, M=Matr matic Hydric S	
X Histosol	(A1)	<u></u>	_ Polyvalue Below	Surface (S8)	(LRR R,			LRR K, L, ML	Para Proceedings
	ipedon (A2)		MLRA 149B)			Coast Pr	airie Red	ox (A16) (LRR	K, L, R)
X Black His			_ Thin Dark Surfac			3) 5 cm Mu	cky Peat	or Peat (S3) (L	
	n Sulfide (A4) Layers (A5)	_	Loamy Mucky M		RR K, L)			(LRR K, L)	
	Below Dark Surface	(A11)	Loamy Gleyed MDepleted Matrix					Surface (S8) (LI	
	rk Surface (A12)	(/(1/) _	Redox Dark Surl	` '				(S9) (LRR K, I Masses (F12) (L	
Sandy M	ucky Mineral (S1)		_ Depleted Dark S					ain Soils (F19)	
	leyed Matrix (S4)	// <u></u>	_ Redox Depression	ons (F8)				6) (MLRA 144A	
	edox (S5)					Red Pare	ent Materi	ial (F21)	982
	Matrix (S6) face (S7) (LRR R, ML	DA 140D)						Surface (TF12	2)
Daik Sui	lace (37) (LKK K, IVIL	.KA 149D)				Other (E	xplain in F	Remarks)	
3Indicators of	hydrophytic vegetation	n and wetla	and hydrology must	be present. u	unless disturbed	d or problematic			
Restrictive L	ayer (if observed):		, ,,			- C. p. Goldmatic.			
· Type:			_						
Depth (inc	:hes):					Hydric Soil P	resent?	Yes X	No
Remarks:									

USACE
Data Plot Examples

Segment 2

Project/Site: CMP - MREI Applicant/Owner: CMP Investigator(s): M. Banaitis Landform (hillslope, terrace, Subregion (LRR or MLRA): Soil Map Unit Name Colonel- Are climatic / hydrologic con Are Vegetation, Soi Are Vegetation, Soi SUMMARY OF FINDINGS Hydrophytic Vegetation Pre Hydric Soil Present? Wetland Hydrology Presen Remarks: (Explain alternations)	etc.): Hillslope LRR R -Dixfield-Pillsbury associ ditions of the site typical il, or Hydrology il, or Hydrology 5 - Attach site map shore esent? Yes Yes t? Yes	Section, To Local relief (control Lat: 45, 6, 18.50 ation, 3 to 15 percent slop for this time of the year? significantly disturbed' naturally problematic? owing sampling point I local late with No X with No X lifty.	es NW Yes X No Are "Normal Cir (If needed, exp	e): none S 9, 50, 18.890 Dat I Classification: N/A (If no, explain in Remarcumstances" present? lain any answers in Rese, important features	Point: UPL-72-10 Slope (%): 2% tum: WGS 84 arks.) P Yes X No emarks.)
HYDROLOGY Western Hydrology India			Sagan	don Indicators (minim	um of two required)
Wetland Hydrology Indica Primary Indicators (minimu		eck all that apply)		dary Indicators (minimum rface Soil Cracks (B6)	um of two required)
Surface Water (A1)	•	tained Leaves (B9)		ainage Patterns (B10)	
High Water Table (A2)		Fauna (B13)		oss Trim Lines (B16)	
Saturation (A3)		posits (B15)		y-Season Water Table (C2)
Water Marks (B1)		en Sulfide Odor (C1)		ayfish Burrows (C8)	<i></i> /
Sediment Deposits (B2)		d Rhizospheres on Living R		turation Visible on Aeria	Il Imagory (CQ)
		· · · · · · · · · · · · · · · · · · ·			
Drift Deposits (B3)		e of Reduced Iron (C4)		unted or Stressed Plants	; (DT)
Algal Mat or Crust (B4)	Recent I	ron Reduction in Tilled Soil	` ′	eomorphic Position (D2)	
Iron Deposits (B5)		Thin Muck Surface		allow Aquitard (D3)	
Inundation Visible on Ae	rial Imagery (B7)	Other (Explain in Re	emarks) Mic	crotopographic Relief (D	4)
Sparsely Vegetated Con	cave Surface (B8)		FA	.C-Neutral Test (D5)	
Field Observations:					
Surface Water Present?	Yes No D	epth (inches):			
Water Table Present?	Yes No D	epth (inches):			
Saturation Present?	Yes No D	epth (inches):	Wetland Hy	ydrology Present?	Yes No X
(includes capillary fringe)	— —				
Describe recorded data (st	ream gauge, monitoring	well, aerial photos, previo	us inspections), if avai	ilable:	
Remarks:					
I					

				Dominance Test worksheet:
<u>Tree Stratum</u> (Plot Size:)	Absolute	Dominant	Indicator	Number of Dominant Species
<u> </u>	% Cover	Species?	Status	that are OBL_FACW_or FAC
1. Populus tremuloides	40	<u>Y</u>	FACU	(A)
Betula papyrifera Betula populifolia	20	<u>Y</u> Y	FACU FAC	Total Number of Dominant Species Across All Strata: 9 (B)
4. Acer rubrum	10	N	FAC	Species Across All Strata: 9 (B)
5.			17.0	Percent of Dominant Species
6.				That Are OBL, FACW, or FAC: 22.22% (A/B)
7.				(, ,
8.				Prevalence Index worksheet:
9.				Total % Cover of: Multiply by:
10.				OBL species 0 x 1 = 0
	90	Total Cover		FACW species 0 x 2 = 0
				FAC species 40 x 3 = 120
Sapling/Shrub Stratum (Plot Size:)	Absolute	Dominant	Indicator	FACU species 115 x 4 = 460
Sapinig/Siliub Stratum (Flot Size.	% Cover	Species?	Status	·
Corylus cornuta	30	<u> </u>	FACU	UPL species 10 x 5 = 50
Betula populifolia	10	<u> </u>	FAC	Column Totals:(A)(B)
Populus tremuloides	10	<u> </u>	FACU	
4				Prevalence Index = B/A = 3.82
5				
6				Hydrophytic Vegetation Indicators:
7				
8				1 - Rapid Test for Hydrophytic Vegetation
9				2 - Dominance Test is >50%
10	50	= Total Cover		2 - Dominance Test is >50%
		- Total Cover		3 - Prevalence Index is ≤3.0¹
	Absolute	Dominant	Indicator	
Herb Stratum (Plot Size:)	% Cover	Species?	Status	4 - Morphological Adaptations ¹ (Provide supporting
1. Eurybia macrophylla	10	Υ	UPL	data in Remarks or on a separate sheet)
2. Aralia nudicaulis	10	Y	FACU	
3. Rubus idaeus	5	Y	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
4				1
5 6.				¹ Indicators of hydric soil and wetland hydrology must
7.				be present, unless disturbed or problematic.
8.				
9.				Definitions of Vegetation Strata:
10.				Tree Mondy plants 2 in (7.6 cm) or more in diameter
11				Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
12.				at breast height (DBH), regardless of height.
13				Sapling/shrub - Woody plants less than 3 in. DBH
14 15.				and greater than or equal to 3.28 ft (1 m) tall.
-	25	Total Cover		
				Herb - All herbaceous (non-woody) plants, regardless
Woody Vine Stratum (Plot Size:)	Absolute	Dominant	Indicator	of size, and woody plants less than 3.28 ft tall.
	% Cover	Species?	Status	Woody vines - All woody vines greater than 3.28 ft in
1				height.
2				
3				
4				Hydrophytic
5				Vegetation
		= Total Cover		Present?
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

Sampling Point: UPL-72-10

SOIL Sampling Point: UPL-72-10

Profile Des	cription: (Descri	ibe to th	e depth needed	to docu	ment the	e indicato	or or confirm the abser	nce of indicators.)
Depth (Inches)	Matrix Color (moist)	%	Red Color (moist)	dox Feat %	tures Type ¹	Loc ²	Texture	Remarks
0-4	10YR 4/4	100			1		sl	
4-16+	2.5Y 5/6	90					sl	
				<u> </u>				
				<u> </u>				
			<u></u>					
¹ Type: C=C	oncentration, D	=Deplet	ion, RM=Reduce	ed Matri	x, MS=N	Masked S	Sand Grains. ² Location	: PL=Pore Lining, M=Matrix.
	Indicators:		· ·					oblematic Hydric Soils ³ :
								•
His Bla Bla Hyo Stra Dep Thi San San San Stri Dan 145	,	A4) 5) rk Sufac (A12) ral (S1) rix (S4) (LRR R,	Ce (A11) (LR Loa Dep Rec Dep Rec MLRA	(LRR)	Surface LRA 149 cky Mine yed Mat Matrix (F) k Surfac Dark Surf	A 149B) (S9) 9B) eral (F1) rix (F2) 3) ee (F6) face (F7) s (F8)	Coast Prairie 5 cm Mucky F Dark Surface Polyvalue Bel Thin Dark Sur Iron-Mangane Piedmont Flor Mesic Spodic Red Parent M Very Shallow Other (Explair	Dark Surface (TF12) n in Remarks) d or problematic.
Type: Depth (inch	es):				_	Нус	Iric Soil Present? Yo	esNoX
Remarks:								

	loney LERR R Lat: I-Pillsbury association, 3 to 15 of the site typical for this time of the site typical for the site t	percent slopes If the year? Yes_ Ity disturbed? All Is the Samp within a We If yes, option	State: ME , Range: Moscow , convex, none): Co Long: 69, 50, 19.1 NWI Classific X No (If no, expre "Normal Circumstance of needed, explain any ans, transects, important of pled Area	Sampling Point: nncave Slope (188 Datum: eation: PSS plain in Remarks.) ces" present? Yes nswers in Remarks.	%): 0% WGS 84 X No
HYDROLOGY Wetland Hydrology Indicators:			Secondary Indic	cators (minimum of t	wo required)
Primary Indicators (minimum of on Surface Water (A1) X High Water Table (A2) X Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imanum Sparsely Vegetated Concave St	X Water-Stained Leaves Aquatic Fauna (B13) Marl Deposits (B15) X Hydrogen Sulfide Odol Oxidized Rhizospheres Presence of Reduced Recent Iron Reduction Thin M gery (B7) Other	(B9) r (C1) s on Living Roots (C3) Iron (C4)	Surface Soil Drainage Pat Moss Trim Li Dry-Season \ Crayfish Burr Saturation Vi Stunted or St Geomorphic Shallow Aqui	Cracks (B6) tterns (B10) ines (B16) Water Table (C2) rows (C8) isible on Aerial Image tressed Plants (D1) Position (D2) itard (D3) aphic Relief (D4)	
Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes (includes capillary fringe) Describe recorded data (stream gr	X No Depth (inches)	: 10	Wetland Hydrology ections), if available:	Present? Yes	<u>X</u> No
Remarks:					

				Dominance Test worksheet:
Tree Stratum (Plot Size:)	Absolute % Cover	Dominant Species?	Indicator Status	Number of Dominant Species that are OBL, FACW, or FAC:
1. 2. 3.				Total Number of Dominant Species Across All Strata: 4 (A) (B)
4. 5. 6. 7.				Percent of Dominant Species That Are OBL, FACW, or FAC:
8				Prevalence Index worksheet:
9.				Total % Cover of: Multiply by:
10				OBL species 25 x 1 = 25
	0	= Total Cover		FACW species 110 x 2 = 220 FAC species 5 x 3 = 15
Sapling/Shrub Stratum (Plot Size:)	Absolute % Cover	Dominant Species?	Indicator Status	FACU species 0 x 4 = 0
1. Salix bebbiana	40	Υ	FACW	UPL species 0 x 5 = 0
2. Fraxinus nigra	15	Y	FACW	Column Totals: 140 (A) 260 (B)
3. Alnus incana	10	N	FACW	
4. <u> </u>	-			Prevalence Index = B/A =1.86
6				Hydrophytic Vegetation Indicators:
7. 8. 9.				1 - Rapid Test for Hydrophytic Vegetation
10.				X 2 - Dominance Test is >50%
	65	= Total Cover		X 3 - Prevalence Index is ≤3.0¹
Herb Stratum (Plot Size:)	Absolute	Dominant	Indicator	
Osmundastrum cinnamomeum	% Cover 30	Species? Y	Status FACW	4 - Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet)
Epilobium ciliatum	15	Y	FACW	data in Nemarks of on a separate sheet)
3. Persicaria sagittata	10	N	OBL	Problematic Hydrophytic Vegetation¹ (Explain)
4. Equisetum fluviatile	10	N	OBL	1
5. Galium asprellum6. Dryopteris intermedia	5 5	N N	OBL FAC	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
9 10.		·		
11. 12.				Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
13. <u> </u>				Sapling/shrub - Woody plants less than 3 in. DBH
15.	75	= Total Cover		and greater than or equal to 3.28 ft (1 m) tall.
	Absolute	Dominant	Indicator	Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot Size:)	% Cover	Species?	Status	Woody vines - All woody vines greater than 3.28 ft in
1 2.				height.
3.				
4.				Hydrophytic
5				Vegetation
	0	= Total Cover		Present? Yes X No No
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

Sampling Point: WET-72-10

SOIL Sampling Point: WET-72-10

Profile Desc	cription: (Descr	ibe to th	e depth needed	to docu	ment the	e indicato	or or confirm the absen	ce of indicators.)
Depth (Inches)	Matrix Color (moist)	%	•	edox Features		Loc ²	Texture	Remarks
4+	10YR 2/1	100	Color (moist)	70	Турс	LOC	Saturated OM	+
0-8	10YR 2/2	95	10YR 5/6	2	С	PL/M	sl	1
8-16+	10YR 5/1	90	10YR 5/8	10	С	PL/M	sl	
			10111070				<u>.</u>	†
								†
								†
		-			-		2	
		=Deplet	ion, RM=Reduce	ed Matri	x, MS=N	/lasked S		PL=Pore Lining, M=Matrix.
Hydric Soi	Indicators:						Indicators for Pro	blematic Hydric Soils³:
His Bla Bla Hyd Stra X Dep Thid Sar Sar Sar Dar 149		A4) 5) Irk Sufact (A12) ral (S1) ix (S4) (LRR R,	Ce (A11) (LR Loa Dep Rec MLRA	(LRR n Dark S R R, M amy Muc R K, L) amy Gle bleted M dox Dar bleted D dox Dep	Surface LRA 149 cky Mine yed Mat Matrix (F; k Surfac Dark Surf	A 149B) (S9) 9B) eral (F1) rix (F2) 3) e (F6) face (F7) s (F8)	Coast Prairie F 5 cm Mucky Po Dark Surface (Polyvalue Belo Thin Dark Surf Iron-Manganes Piedmont Floo Mesic Spodic (Red Parent Ma	Dark Surface (TF12) in Remarks)
Type: Depth (inch		eu).			-	Нус	dric Soil Present? Ye	s <u>X</u> No
Remarks:								

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region Project/Site: QMI Project/Site: QM.I
Applicant/Owner: CMP Investigator(s): SUH CJF Section, Township, Range: Landform (hillslope, terrace, etc.): hillslope Local relief (concave, convex, none): ______ Slope (%): ________ Subregion (LRR or MLRA): Lat: 829810,65 C+N Long: 3029929 C+ C Datum: NAD 83 NWI classification: _____ Soil Map Unit Name: ____ Are climatic / hydrologic conditions on the site typical for this time of year? Yes _____ No ____ (If no, explain in Remarks.) Are "Normal Circumstances" present? Yes V Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? (If needed, explain any answers in Remarks.) Are Vegetation , Soil , or Hydrology _____ naturally problematic? SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area Hydrophytic Vegetation Present? Yes _____ No _<u>x</u>___ within a Wetland? Hydric Soil Present? Yes No X
Wetland Hydrology Present? Yes No X If yes, optional Wetland Site ID: ___ Remarks: (Explain alternative procedures here or in a separate report.) **HYDROLOGY** Secondary Indicators (minimum of two required) Wetland Hydrology Indicators: ___ Surface Soil Cracks (B6) Primary Indicators (minimum of one is required; check all that apply) ___ Water-Stained Leaves (B9) ___ Drainage Patterns (B10) ___ Surface Water (A1) Aquatic Fauna (B13)

Marl Deposits (B15)

Hydrogen Sulfide Odor (C1) ___ Moss Trim Lines (B16) ___ High Water Table (A2) ___ Dry-Season Water Table (C2) Saturation (A3) ___ Water Marks (B1) ___ Crayfish Burrows (C8) ___ Sediment Deposits (B2) ___ Oxidized Rhizospheres on Living Roots (C3) ___ Saturation Visible on Aerial Imagery (C9) ___ Stunted or Stressed Plants (D1) ___ Presence of Reduced Iron (C4) ___ Drift Deposits (B3) ___ Recent Iron Reduction in Tilled Soils (C6) ___ Geomorphic Position (D2) ___ Algal Mat or Crust (B4) ___ Thin Muck Surface (C7) ___ Shallow Aquitard (D3) ___ Iron Deposits (B5) ___ Microtopographic Relief (D4) __ Inundation Visible on Aerial Imagery (87) __ Other (Explain in Remarks) __ FAC-Neutral Test (D5) Sparsely Vegetated Concave Surface (B8) Field Observations: Yes _____ No ____ Depth (inches): _____ Surface Water Present? Water Table Present? Yes _____ No ____ Depth (inches): _____ Yes _____ No ____ Depth (inches): _____ Wetland Hydrology Present? Yes ____ No X Saturation Present? (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks: No Hydrology indicators presents

2 - / 0	A 1 1 1		
Tree Stratum (Plot size: 30'R)	% Cover	Dominant Indicator Species? Status	Dominance Test worksheet:
1. Fagus grandifolia	115	1 0	Number of Dominant Species
2. Acer rubrum	70	1 Fact	That Are ODI Excise
3. Francis pennsylvanica	7		Total Number of Dominant
		fore	Species Across All Strata: (B)
4			Percent of Dominant Species
5			That Are OBL, FACW, or FAC: (A/E
6			Prevalence Index worksheet:
7.			
	37 =	Total Cover	OBL species x 1 =
Sapling/Shrub Stratum (Plot size: _15')		-	FACW species x 2 =
1. Abics balsamen	15	1 Fac	FAC species 5Z x3 = 156
2. Acer subvein		V Fac	FACU species
3. Ostrya virginiana			UPL species x 5 =
			Column Totals: 82 (A) 276 (B)
4.			
5.			Prevalence Index = B/A =
3.			Hydrophytic Vegetation Indicators:
			1 - Rapid Test for Hydrophytic Vegetation
	30 =	Total Cover	2 - Dominance Test is >50%
Herb Stratum (Plot size: 5')			3 - Prevalence Index is ≤3.0¹
Dennstaed tra punctiobala	2	facu	 4 - Morphological Adaptations¹ (Provide supportin data in Remarks or on a separate sheet)
Streptopus lanceolatus	3	V FacU	Problematic Hydrophytic Vegetation ¹ (Explain)
Mintoun canadense	10	V Facul	
4.			¹Indicators of hydric soil and wetland hydrology must
5.			be present, unless disturbed or problematic.
			Definitions of Vegetation Strata:
3.			Tree – Woody plants 3 in. (7.6 cm) or more in diamete
			at breast height (DBH), regardless of height.
			Sapling/shrub - Woody plants less than 3 in. DBH
•			and greater than or equal to 3.28 ft (1 m) tall.
0			Herb - All herbaceous (non-woody) plants, regardless
1			of size, and woody plants less than 3.28 ft tall.
2			Woody vines - All woody vines greater than 3.28 ft in
	15 =	Total Cover	height.
Voody Vine Stratum (Plot size:)			
			Hydronbydia
			Hydrophytic Vegetation
			Present? Yes No _X
		Total Cover	

Sampling Point; Plot 71-102-UP

Profile Desc	cription: (Describe	to the dep	th needed to docum	nent the i	ndicator (or confirm	Sampling Point: (1011)
Debai	Mainx		Redox	K Features	aiUr (willim	i ule absence of indicators.)
(inches)	Color (moist)	_ %_	Color (moist)	%	_Type ¹	Loc ²	Texture Remarks
2-0	10418 3/2	100					S.L
2-18	2.57 5/4	100					5.74
			_				
1					 -		
Type: C=Co	oncentration, D=Depl	etion, RM=	Reduced Matrix, MS	=Masked	Sand Gra	ins.	² Location: PL=Pore Lining, M=Matrix.
Histosol			B-tt B-t			_	Indicators for Problematic Hydric Soils ³ :
	olipedon (A2)		Polyvalue Below MLRA 149B)	Surface ((S8) (LRR	R,	2 cm Muck (A10) (LRR K, L, MLRA 149B)
Black His			Thin Dark Surface	e (S9) (Li	RRR MI	RA 149R\	Coast Prairie Redox (A16) (LRR K, L, R)5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		Loamy Mucky M	ineral (F1)	(LRR K.	L)	Dark Surface (S7) (LRR K, L)
	Layers (A5)		Loamy Gleyed M			-,	Polyvalue Below Surface (S8) (LRR K, L)
	Below Dark Surface	(A11)	Depleted Matrix				Thin Dark Surface (S9) (LRR K, L)
	rk Surface (A12)	-	Redox Dark Surf				Iron-Manganese Masses (F12) (LRR K, L, R)
	ucky Mineral (S1)	•	Depleted Dark S		7)		Piedmont Floodplain Soils (F19) (MLRA 149B)
	leyed Matrix (S4) edox (S5)	-	Redox Depression	ons (F8)			Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
	Matrix (S6)						Red Parent Material (F21)
	face (S7) (LRR R, M	LRA 149B)				Very Shallow Dark Surface (TF12) Other (Explain in Remarks)
3Indicators of	hydrophytic vegetation	on and wef	land hydrology must	be preser	nt. unless	disturbed (or problematic
Restrictive L	ayer (If observed):		,	p	,	0.000.000	or probernatio.
Туре:	•						
	hes):						Hydric Soll Present? Yes No X
Remarks:							170
remarks.							

Project/Site: QMI	City/County:	Sampling Date: 5/17/17
Applicant/Owner: CMP		State: M.E. Sampling Point: Plot 71-102-WE
مستحدم الماليات	Section, Township, Ran	
Landform (hillslope, terrace, etc.): 17.11560PC	Local relief (concave, conve	ex, none): <u>Concaut</u> Slope (%): <u>21.</u>
Subregion (LRR or MLRA): Lat:	827664, 473 pt Long	3029818,93 P4 Datum: UAD 83
Soil Map Unit Name:		NWI classification: PFOIE
Are climatic / hydrologic conditions on the site typical fo	r this time of year? Yes No	(If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology	significantly disturbed? Are "N	lormal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology		ded, explain any answers in Remarks.)
		cations, transects, important features, etc.
	No is the Sampled	Area
Hydrophytic Vegetation Present? Yes	No within a Wetland	
Wetland Hydrology Present?		etland Site ID:
Remarks: (Explain alternative procedures here or in a		-
HYDROLOGY		
Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check	all that apply)	Surface Soil Cracks (B6)
· — · · · · · · · · · · · · · · · · · ·	Water-Stained Leaves (B9)	✓ Drainage Patterns (B10)
_ ` ` ` `	Aquatic Fauna (B13)	Moss Trim Lines (B16)
· · ·	Mart Deposits (B15)	Dry-Season Water Table (C2)
	Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8) (C3) Saturation Visible on Aerial Imagery (C9)
	Oxidized Rifizospheres on Living Roots Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)
	Recent Iron Reduction in Tilled Soils (C	
	Thin Muck Surface (C7)	Shallow Aquitard (D3)
	Other (Explain in Remarks)	Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)		FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes No	Depth (inches):	
Water Table Present? Yes No	Depth (inches): 19	
Saturation Present? Yes No (Includes capillary fringe)	Depth (inches): to Surface Wet	land Hydrology Present? Yes V No No
Describe Recorded Data (stream gauge, monitoring w	ell, aerial photos, previous inspections),	if available:
Remarks:		
Tremains.		

Tree Stratum (Plot size: 30' €)	Absolute	Dominant Species?	Indicator	Dominance Test worksheet:
\				Number of Dominant Species
2 des subsume	_ 50_		<u>Fac</u>	That Are OBL, FACW, or FAC:
2. Aver rubrum	_ 			Total Number of Dominant
3. Populus tremesloides				Species Across All Strata:(B)
4. Betala allegheniensis	<u> 15</u>			Percent of Dominant Species
5				That Are OBL, FACW, or FAC: (A/B)
6				
7.				Prevalence Index worksheet:
		= Total Co		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15')		~ TOTAL CO	ver	OBL species x1=
1. Abies balsaven	,	/	C.c	FACW species x 2 =
2. Alex rus		-/-	Fue	FACUspecies x3 =
- Oct	_ 13		F 44 €	FACU species x 4 = UPL species x 5 =
3. Ostrya virginiana				Column Totals: (A) (B)
4.				(A)(B)
5				Prevalence Index = B/A =
6				Hydrophytic Vegetation Indicators:
7				
	2.3	= Total Cov		2 - Dominance Test is >50%
Herb Stratum (Plot size: 5')		- rotal Cov	/ei	3 - Prevalence Index is ≤3.01
1. Cina Intifolica		j	C	4 - Morphological Adaptations¹ (Provide supporting
a The make a second	_ 30		7420	data in Remarks or on a separate sheet)
2 Imputions copinsis	- 5			Problematic Hydrophytic Vegetation¹ (Explain)
3. Solidago greganten				¹ Indicators of hydric soil and wetland hydrology must
4. Onoclea Sensibilis				be present, unless disturbed or problematic.
5				Definitions of Vegetation Strata:
6				-
7				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
8				
9				Sapling/shrub - Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
10				Herb - All herbaceous (non-woody) plants, regardless
11				of size, and woody plants less than 3.28 ft tail.
12.				Woody vines - All woody vines greater than 3.28 ft in
	65			height.
Woody Vine Stratum (Plot size: 50		= Total Cov	er	
/				
1.				
2.				
3				Hydrophytic
4.				Vegetation
		= Total Cov	er	Present? Yes No
Remarks: (Include photo numbers here or on a separate				
Some inventhence canadense	an wich.	elan m		al
	ण प्रदेशकार प	-		

Sampling Point: Plot - 71 - 102 - WE7

Depth	ription: (Describe		Redo	x Features	š			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-8	104123/1	100		·			5.6	
Rock	_ Refusa	<u></u>						
· · · · · · · · · · · · · · · · · · ·								
								
								
			—- AV.	· ——				

·				·				
			· · · · · · · · · · · · · · · · · · ·		TATA			PV.
 Гуре: С=Со	ncentration, D=Depl	etion, RM=	Reduced Matrix, M	S=Masked	Sand Gra	ins.	² Location: Pi =	Pore Lining, M=Matrix.
ydric Soil lı	ndicators:		,				Indicators for P	roblematic Hydric Solls ³ :
Histosol (Polyvalue Belo		(S8) (LRR	. R ,		A10) (LRR K, L, MLRA 149B)
	ipedon (A2)		MLRA 149B					e Redox (A16) (LRR K, L, R)
Black His	STIC (A3) n Sulfide (A4)		Thin Dark Surfa	ice (S9) (L	RR R, ML	RA 149B)	-	Peat or Peat (S3) (LRR K, L, R)
	Layers (A5)		Loamy Mucky No Loamy Gleyed			L)		e (S7) (LRR K, L)
	Below Dark Surface	(Δ11)	Depleted Matrix					elow Surface (S8) (LRR K, L)
	rk Surface (A12)	((())	Redox Dark Su					urface (S9) (LRR K, L) lese Masses (F12) (LRR K, L, R)
	ucky Mineral (S1)		Depleted Dark	٠,	7)			podplain Soils (F19) (MLRA 149B)
	ieyed Matrix (S4)		Redox Depress		.,			c (TA6) (MLRA 144A, 145, 149B)
	edox (S5)			` '				Material (F21)
Stripped	Matrix (S6)							v Dark Surface (TF12)
_ Dark Surl	face (S7) (LRR R, M	LRA 149B))					in in Remarks)
ndicators of	hydrophytic vegetati ayer (if observed):	on and we	tland hydrology mus	t be prese	nt, unless	disturbed	or problematic.	
Type:	ayer (II Ouserveu).							,
Depth (incl	hes):						Hydric Soil Prese	ent? Yes No No
emarks:								

USACE
Data Plot Examples

Segment 3

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region City/County: Concord, Sanu set (5, Sampling Date: 5, 22, 17 Applicant/Owner: CMP ME Sampling Point: Plat-76-02-4P HSW JPB Investigator(s): ____ Section, Township, Range: Concord Landform (hillslope, terrace, etc.): hillslope Local relief (concave, convex, none): _________ Lat: N 810511.43 Long: E 3022075,93 Datum: Conus Slope (%): ___ Soil Map Unit Name: Are climatic / hydrologic conditions on the site typical for this time of year? Yes __X_ ___ (If no, explain in Remarks.) Are Vegetation _____, Soil _______, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes __X__ No___ Are Vegetation ______, Soil ________, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? is the Sampled Area Hydric Soil Present? within a Wetland? Wetland Hydrology Present? If yes, optional Wetland Site ID: Remarks: (Explain alternative procedures here or in a separate report.) WOSS due to stream **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) ___ Water-Stained Leaves (B9) ___ Drainage Patterns (B10) High Water Table (A2) Aquatic Faun (B13) ___ Moss Trim Lines (B16) Saturation (A3) Mart Deposits (B15) ___ Dry-Season Water Table (C2) __ Water Marks (B1) Hydrogen Sulfide Odor (C1) __ Crayfish Burrows (C8) Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) ___ Saturation Visible on Aerial Imagery (C9) Drift Deposits (B3) Presence of Reduced Iron (C4) __ Stunted or Stressed Plants (D1) _ Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) _ Iron Deposits (B5) Thin Muck Surface (C7) ___ Shallow Aquitard (D3) __ Inundation Visible on Aerial Imagery (B7) 📝 Other (Explain in Remarks) ___ Microtopographic Relief (D4) Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes ____ No ___ Depth (inches): _ Water Table Present? Yes ____ No ___ Depth (inches): ____ Saturation Present? Yes ____ No ___ Depth (inches): _ Wetland Hydrology Present? Yes _____ No ____ (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks: no hydrology

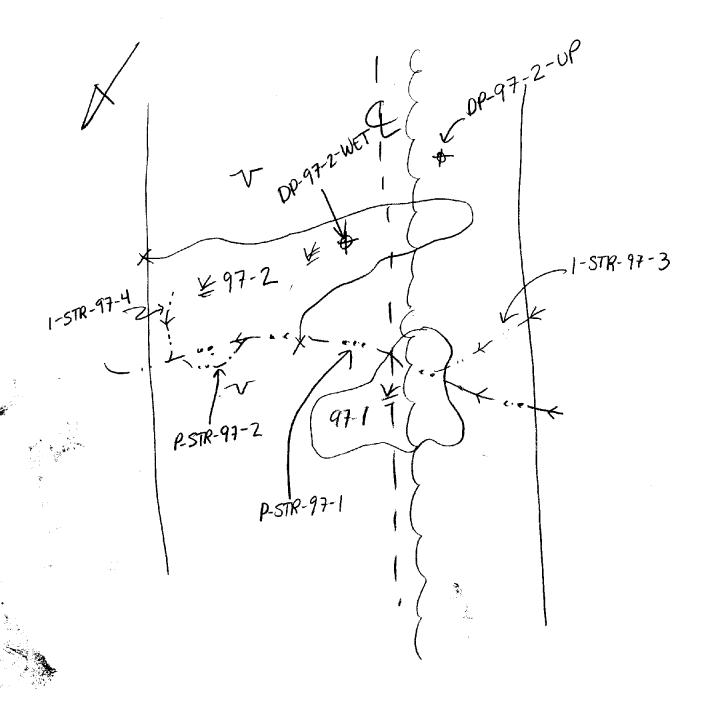
US Army Corps of Engineers

Tree Stratum (Plot size: 30)	Absolute	Dominar	nt Indicator	Dominous Tout	
		Species*	-	Dominance Test worksheet:	
	_ 40		FACU	Number of Dominant Species That Are OBL, FACW, or FAC:	A)
2 acer persylvanicum	10		FACU		^)
3				Total Number of Dominant	
4		-		Opecies Across All Strata:	B)
4			-		
5				That Are OBL, FACW, or FAC:	A/B)
6				Described at 1.1	
7				Prevalence Index worksheet:	
	50	- T-1-1 O	-	Total % Cover of: Multiply by:	
Sapling/Shrub Stratum (Plot size: 15)		= Total Co	ver	OBL species x1 =	
				FACW species	
1. tsuca Canadense	10		FACU	FAC species x3 =	
2. geer pensylvaniam	10		FACU	FACU species $\frac{1}{2}$ $\times 4 = \frac{28}{2}$	
3. tagus grandifolia	5		FACU	UPL speciesO x5=O	
4			17/04	Column Totals:(A)	(B)
			·	.1	(-)
5				Prevalence Index = B/A =	
6				Hydrophytic Vegetation Indicators:	
7			· · · · · · · · · · · · · · · · · · ·	1 - Rapid Test for Hydrophytic Vegetation	
	75			2 - Dominance Test is >50%	
5/		≖ Total Co	ver	3 - Prevalence Index is ≤3.0¹	
1. Naimanthemun Canada 2. TSVGa Canadurse	1 1.5				
1. Namanthemun Canada	Se 10		FACU	4 - Morphological Adaptations¹ (Provide suppor data in Remarks or on a separate sheet)	ting
2 tsuca canadinse	5		FACU	Problematic Hydrophytic Vegetation¹ (Explain)	
3				replanding tryatophysic vegetation (Explain)	
3.				Indicators of hydric soil and wetland hydrology mus	.
4	-			be present, unless disturbed or problematic.	1
5				Definitions of Vegetation Strata:	-
6					
7				Tree – Woody plants 3 in. (7.6 cm) or more in diame at breast height (DBH), regardless of height.	eter
8					
				Sapling/shrub - Woody plants less than 3 in. DBH	
9.				and greater than or equal to 3.28 ft (1 m) tall.	ŧ
10				Herb - All herbaceous (non-woody) plants, regardle	ss
11				of size, and woody plants less than 3.28 ft tall.	
12				Woody vines - All woody vines greater than 3.28 ft	.
	15	T		height.	"
Manda Man Otal and Dist		= Total Cov	rer		
Woody Vine Stratum (Plot size:)					
1			-		
2					
3					
				Hydrophytic	
4				Vegetation Present? Yes No	İ
•		= Total Cov	er er	100	
Remarks: (Include photo numbers here or on a separate s	heet.)		· · · · · · · · · · · · · · · · · · ·		
·					
					ŀ
				$\hat{m{q}}$.	}
					-

Sampling Point: Pbt-76-02-4P

Depth	Matrix		D-4.		nuicator	or confirm	the absence of ind	cators.)	
(inches)	Color (moist)	%	Color (moist)	x Features %	Type ¹	_Loc²	Texture	D1	
0-2	blK	100					OVERME	Remarks	
2-3	4.5YR 4/9	100		-			811	the state of the s	
3-7	54R 3/3	100					45		
7-16	754R 4/4	100				~	LS		
<u></u>									
		 .			 .				
					 .				
			· · · · · · · · · · · · · · · · · · ·						
		·							
	Name of the last o	·							
ype: C=Co rdric Soil I	oncentration, D=Dep	letion, RM=	Reduced Matrix, MS	=Masked	Sand Grai	ins.	² Location: PL=P	ore Lining, M=Ma	ıtrix.
_ Histosol (Polyvalue Below	Surface (SR) /I RR	R	Indicators for Pro	-	
_ Histic Ep	ipedon (A2)	-	MLRA 149B)	- Canaco (oo, (Litt	17,	Z dir Wock (A	10) (LRR K, L, M Redox (A16) (LR I	LKA 1498) RK i R)
_ Black His		-	Thin Dark Surfac				5 cm Mucky P	eat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4) Layers (A5)	-	Loamy Mucky M		(LRR K,	L)	Dark Surface (S7) (LRR K, L)	
	Layers (A5) Below Dark Surfac	- - (Δ11)	Loamy Gleyed M Depleted Matrix				Polyvalue Belo	w Surface (S8) (LRR K, L)
Thick Da	rk Surface (A12)	e (VII) -	Redox Dark Surf				Thin Dark Surf	ace (S9) (LRR K	, L)
	ucky Mineral (S1)	-	Depleted Dark S		'		Iron-Manganes	se Masses (F12)	(LRR K, L, R)
	leyed Matrix (S4)	-	Redox Depression		,		Pleamont Floo	dplain Soils (F19 TA6) (MLRA 14 4) (MLRA 1498
		-		(. 0)			Red Parent Ma	100) (MLRA 144 storial (E21)	IA, 145, 149B)
_ Sandy Re								Dark Surface (TF	12\
_ Sandy Re _ Stripped	Matrix (S6)						101) Onditon 2	zank ounace (H	12)
_ Stripped		/ILRA 149B)				Other (Explain	in Remarks)	
Stripped Dark Surf	Matrix (S6) face (S7) (LRR R, N	tion and wet) land hydrology must	be preser	nt, unless	disturbed o		in Remarks)	
Stripped Dark Surfactors of	Matrix (S6) face (S7) (LRR R, N	tion and wet		be preser	nt, unless	disturbed o		in Remarks)	
Stripped Dark Surficience of estrictive L Type:	Matrix (S6) face (S7) (LRR R, M hydrophytic vegetal ayer (if observed):	tion and wet		be preser	nt, unless	disturbed o	or problematic.		No ×
Stripped Dark Suridicators of Strictive Large: Depth (incl	Matrix (S6) face (S7) (LRR R, M hydrophytic vegetal ayer (if observed):	tion and wet		be preser	nt, unless	disturbed c			No X
Stripped Dark Surficients of Strictive Large: Depth (incl	Matrix (S6) face (S7) (LRR R, M hydrophytic vegetal ayer (if observed):	tion and wet		be preser	nt, uniess	disturbed (or problematic.		No X
Stripped Dark Surficients of Strictive Large: Depth (incl	Matrix (S6) face (S7) (LRR R, M hydrophytic vegetal ayer (if observed):	tion and wet		be preser	nt, unless	disturbed o	or problematic.		No X
Stripped Dark Surficients of Strictive Large: Depth (incl	Matrix (S6) face (S7) (LRR R, M hydrophytic vegetal ayer (if observed):	tion and wet		be preser	nt, unless	disturbed o	or problematic.		No X
Stripped Dark Surficients of Strictive L. Type: Depth (incl	Matrix (S6) face (S7) (LRR R, M hydrophytic vegetal ayer (if observed):	tion and wet		be preser	nt, uniess	disturbed o	or problematic.		No X
Stripped Dark Surficients of Strictive Large: Depth (incl	Matrix (S6) face (S7) (LRR R, M hydrophytic vegetal ayer (if observed):	tion and wet		be preser	nt, unless	disturbed o	or problematic.		No X
Stripped Dark Surficients of Strictive Large: Depth (incl	Matrix (S6) face (S7) (LRR R, M hydrophytic vegetal ayer (if observed):	tion and wet		be preser	nt, uniess	disturbed o	or problematic.		No X
Stripped Dark Suridicators of Strictive Large: Depth (incl	Matrix (S6) face (S7) (LRR R, M hydrophytic vegetal ayer (if observed):	tion and wet		be preser	nt, unless	disturbed o	or problematic.		No X
Stripped Dark Surficients of Strictive L. Type: Depth (incl	Matrix (S6) face (S7) (LRR R, M hydrophytic vegetal ayer (if observed):	tion and wet		be preser	nt, unless	disturbed o	or problematic.		No X
Stripped Dark Surficients of Strictive L. Type: Depth (incl	Matrix (S6) face (S7) (LRR R, M hydrophytic vegetal ayer (if observed):	tion and wet		be preser	nt, uniess	disturbed o	or problematic.		No X
Stripped Dark Surfactors of estrictive L Type: Depth (incl	Matrix (S6) face (S7) (LRR R, M hydrophytic vegetal ayer (if observed):	tion and wet		be preser	nt, uniess	disturbed o	or problematic.		No <u>×</u>
Stripped Dark Surfactors of Strictive Logon Depth (incl	Matrix (S6) face (S7) (LRR R, M hydrophytic vegetal ayer (if observed):	tion and wet		be preser	nt, uniess	disturbed o	or problematic.		No X
_ Stripped _ Dark Surfindicators of pstrictive L Type:	Matrix (S6) face (S7) (LRR R, M hydrophytic vegetal ayer (if observed):	tion and wet		be preser	nt, unless	disturbed o	or problematic.		No X
Stripped Dark Surfactors of estrictive L Type: Depth (incl	Matrix (S6) face (S7) (LRR R, M hydrophytic vegetal ayer (if observed):	tion and wet		be preser	nt, unless	disturbed o	or problematic.		No X
Stripped Dark Surficients of Strictive Large: Depth (incl	Matrix (S6) face (S7) (LRR R, M hydrophytic vegetal ayer (if observed):	tion and wet		be preser	nt, uniess	disturbed o	or problematic.		No X
Stripped Dark Surficients of Strictive Large: Depth (incl	Matrix (S6) face (S7) (LRR R, M hydrophytic vegetal ayer (if observed):	tion and wet		be preser	nt, uniess	disturbed o	or problematic.		No X

40 AAA 1	y/County: Comord, Somuset sampling Date: 5.22.17
. , , , , , , , , , , , , , , , , , , ,	State: ME Sampling Point: Plot-76-02-WET
Applicant/Owner:	ection, Township, Range: Concord
HIACORDIOLO.	
Landform (hillslope, terrace, etc.): Terrace	LDCal Tellet (Correct, Correct, Florie).
Slope (%): Lat: N 810630, 22 Lo	ng: £ 3000 118,46 Datum: Conc S
Soil Map Unit Name:	NWI classification: PSSIE
Are climatic / hydrologic conditions on the site typical for this time of year	Yes No (If no, explain in Remarks.)
Are Vegetation N, Soil N, or Hydrology N significantly dis	sturbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation N, Soil N, or Hydrology N naturally problem	
	ampling point locations, transects, important features, etc.
	ie the Sampled Area
Hydrophytic Vegetation Present? Yes No	within a Wetland? Yes No
Hydric Soil Present? Yes X No	If yes, optional Wetland Site ID:
Wetland Hydrology Present? Yes No Remarks: (Explain alternative procedures here or in a separate report.)	
Remarks. (Explain alternative procedures here of the displaces reports)	
	, w etc.
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Water-Stained Le	
✓ Saturation (As Mart Deposits (B Water Marks (B1) Hydrogen Sulfide	· · · · · · · · · · · · · · · · · · ·
1 — · · · · · · · · · · · · · · · · · ·	oheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3) Presence of Red	· · · · · —
	uction in Tilled Soils (C6) Geomorphic Position (D2)
Iron Deposits (B5) Thin Muck Surface	ce (C7) Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain in	
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (inches):	. 8 I
Water Table Present? Yes X No Depth (inches): Saturation Present? Yes X No Depth (inches):	
Saturation Present? Yes X No Depth (inches): (includes capillary fringe)	Welland Hydrology Present? Tes // NO
Describe Recorded Data (stream gauge, monitoring well, aerial photos	, previous inspections), if available:
Remarks:	
Tomano.	
	·
	İ
	· K



VEGETATION - Use scientific names of plants. Sampling Point: Plat-76-02-WES Absolute Dominant Indicator Tree Stratum (Plot size: 2 **Dominance Test worksheet:** % Cover Species? Status Number of Dominant Species That Are OBL, FACW, or FAC: (A) **Total Number of Dominant** Species Across All Strata: (B) Percent of Dominant Species That Are OBL, FACW, or FAC: _ (A/B) Prevalence Index worksheet: Total % Cover of: __ = Total Cover OBL species Sapling/Shrub Stratum (Plot size: **FACW** species FACW FAC species FACU species UPL species Column Totals: Prevalence Index = B/A = Hydrophytic Vegetation Indicators: _ 1 - Rapid Test for Hydrophytic Vegetation 60 = Total Cover 2 - Dominance Test is >50% X 3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide supporting FACW data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain) 20 ¹Indicators of hydric soil and wetland hydrology must FACU be present, unless disturbed or problematic. Definitions of Vegetation Strata: Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft in 40 = Total Cover Woody Vine Stratum (Plot size: Hydrophytic Vegetation Yes X No Present? = Total Cover Remarks: (Include photo numbers here or on a separate sheet.)

Profile Desc	cription: (Describe	to the dep	oth needed to docu	ment the i	ndicator	or confirm	the absence of indicat	tors.)
Depth	Matrix			x Feature	s		- .	
(inches)	Color (moist)	<u>%</u>	Color (moist)		Type ¹	_Loc ^z _	Texture	Remarks
0-4	1048 2/2	75	10 yr 14	<u> </u>			org.	
4-16	104K 3/3	85	104R 714	<u> 15 </u>			Sil	
								
								
								· · · · · · · · · · · · · · · · · · ·
l								
			<u> </u>		·			
¹Tyne: C=C	oncentration, D=Dep	eletion RM	=Reduced Matrix. M	S=Masked	d Sand Gr	ains.	² Location: PL=Pore	e Lining, M ≕Matrix .
Hydric Soil		, , , , , , , , , , , , , , , , , , ,	9 5					ematic Hydric Soils
Histoso	I (A1)		Polyvalue Belo	w Surface	(S8) (LRI	R R,	2 cm Muck (A10)	(LRR K, L, MLRA 1498)
	pipedon (A2)		MLRA 149E	•				dox (A16) (LRR K, L, R)
	listic (A3)		Thin Dark Surf					t or Peat (S3) (LRR K, L, R)
ł	en Sulfide (A4)		Loamy Mucky Loamy Gleyed			., L)	Dark Surface (S7	7) (LRR K, L) Surface (S8) (LRR K, L)
	d Layers (A5) d Below Dark Surfac	ne (A11)	Depleted Matri		-)			e (S9) (LRR K, L)
	ark Surface (A12)	~ (/ /	X Redox Dark Si		,			Masses (F12) (LRR K, L, R)
1	Mucky Mineral (S1)		Depleted Dark					olain Soils (F19) (MLRA 149B)
	Gleyed Matrix (S4)		Redox Depres	sions (F8)				A6) (MLRA 144A, 145, 149B)
1	Redox (S5)						Red Parent Mate	
1	d Matrix (S6)	UI DA 440	D\				Very Shallow Da Other (Explain in	
Daik St	urface (S7) (LRR R, I	MILION 140	6)				Other (Explain in	(Nemana)
3Indicators of	of hydrophytic vegeta	ition and w	etland hydrology mu	st be pres	ent, unles	s disturbed	or problematic.	
1	Layer (if observed)							
Type:								
Depth (in	nches):						Hydric Soil Present?	Yes No
Remarks:								
			-					
							7	

WEILAND DETERMINATION	DATA FORM – Northcentral and Northeast Region
Project/Site: / V \	City/County: Franklin Sampling Date: 5.17,17
Applicant/Owner: CM P	State: ME Sampling Point: Plot 99-06-Up
Investigator(s): HSN DHP	Section, Township, Range: Starks
Landform (hillslope, terrace, etc.): D+ and Ma	Local relief (concave, convex, none): Concave Slope (%): 1/2
Subregion (LRR or MERA)	351.60 Long: 3662361.85 Datum: NAD 83/CONVS
Soil Map Unit Name:	
	NWI classification:
Are Vegetation <u>NO</u> , Soil <u>NO</u> , or Hydrology <u>NO</u> signif	e of year? Yes No (If no, explain in Remarks.)
Are Vegetation $\sqrt{\mathcal{O}}$, Soil $\sqrt{\mathcal{O}}$, or Hydrology $\sqrt{\mathcal{O}}$ natural	process process res visit res
SUMMARY OF FINDINGS - Attach site map sho	wing sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No Hydric Soll Present? Yes No Wetland Hydrology Present? Yes No Remarks: (Explain alternative procedures here or in a separate	Is the Sampled Area Within a Wetland? Yes No If wes ontional Wetland Site ID.
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that a	pply) Surface Soil Cracks (B6)
· · · · · · · · · · · · · · · · · · ·	ained Leaves (B9) Drainage Patterns (B10)
1 6 1 1 1 1 1 1	auna (B13) Moss Trim Lines (B16)
	osits (B15) Dry-Season Water Table (C2) Sulfide Odor (C1) Crayfish Burrows (C8)
	Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) of Reduced Iron (C4) Stunted or Stressed Plants (D1)
	on Reduction in Tilled Soils (C6) Geomorphic Position (D2)
Iron Deposits (B5) Thin Muc	k Surface (C7) Shallow Aquitard (D3)
	plain in Remarks) Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (iii Water Table Present? Yes No Depth (iii Depth (iii	nches):
Water Table Present? Yes Depth (ii Saturation Present? Yes No Depth (ii	1
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial	photos, previous inspections), if available:
·	
Remarks:	

VEGETATION - Use scientific names of plants.

VEGETATION - Use scientific flames of plants.	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 301 P	% Cover	Species?	Status	Number of Dominant Species
1. Betvla pupysifera	1040		TACU	That Are OBL, FACW, or FAC:(A)
2 abies balsamea	240		FAC	Total Number of Dominant
3. populus tremuloides	20%		FACU	Species Across All Strata:(B)
4 Acer Spicatem	10%		FACU	Percent of Dominant Species
1 000	1540		FAC	That Are OBL, FACW, or FAC:(A/B)
6. Buga canadense	10%		FACU	Prevalence Index worksheet:
6. 150ga Carraction				Total % Cover of: Multiply by:
7	124	= Total Cov		OBL species
10/0	610	= TOTAL COV	eı.	FACW species
Sapling/Shrub Stratum (Plot size: 15 / R)	1046		FAC	FAC species 4 x3 = 12
1 Holes balsanun				FACU species x 4 = 32
2 Acer spicatum	1570		FACU	UPL species () x5 = 0
3. Fagus grandifolia	140		TACU	Column Totals: 12 (A) 44 (B)
4				Prevalence Index = 8/A = 44/12 = 3,66
5.				Prevalence Index = 8/A =
6.				Hydrophytic Vegetation Indicators:
				1 - Rapid Test for Hydrophytic Vegetation
7	26/0	= Total Co		2 - Dominance Test is >50%
5 7		_ 10tai 00	101	3 - Prevalence Index is ≤3.0¹
Herb Stratum (Plot size: 5 1/2)	24.		FACU	4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
1. Miamanthum Canadence	<u> </u>		17/00	Problematic Hydrophytic Vegetation¹ (Explain)
2 Erythronium rostratum.	<u> L 1 10</u>		TAC	Problematic Hydrophytic Vogotation (Explain)
3. Trientalis borealis			FAC	¹ Indicators of hydric soil and wetland hydrology must
4. Aralia nudicaviis	90</td <td></td> <td>FACU</td> <td>be present, unless disturbed or problematic.</td>		FACU	be present, unless disturbed or problematic.
5.				Definitions of Vegetation Strata:
6				Tree – Woody plants 3 in. (7.6 cm) or more in diameter
7				at breast height (DBH), regardless of height.
8				Sapling/shrub Woody plants less than 3 in. DBH
9.				and greater than or equal to 3.28 ft (1 m) tall.
10.				Herb – All herbaceous (non-woody) plants, regardless
11.			-	of size, and woody plants less than 3.28 ft tall.
				Woody vines - All woody vines greater than 3.28 ft in
12	69	_ = Total Co		height.
		10(a) 00	vei	
Woody Vine Stratum (Plot size:)				
1				
2				
3				Hydrophytic Vegetation
4		_		Present? Yes No
,		_ = Total Co	ver	
Remarks: (Include photo numbers here or on a separate	sheet.)			

-	_	 •	

Sampling Point: <u>Plot - 9</u>9 - 06 - up

Depth	cription: (Describe		Redo	x Features	.		. with abdultion of high	ioators.)
inches)	SUR 2.5/	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-1	34 K 23/1	100					Organic	
1-13	104R 3/6	100					Sil_	and P
	refusal	(a)	13" -	rock				
				-				
								
/pe: C=Co	oncentration, D=Depl	etion, RM=	Reduced Matrix, MS	S=Masked	Sand Gra	ins.	² Location: PL=F	Pore Lining, M=Matrix.
Histosol	(A1) pipedon (A2)		Polyvalue Belov MLRA 1498; Thin Dark Surfa)			2 cm Muck (A Coast Prairie	oblematic Hydric Solls ³ : .10) (LRR K, L, MLRA 149B) Redox (A16) (LRR K, L, R) Peat or Peat (S3) (LRR K, L, R)
Stratified	n Sulfide (A4) Layers (A5)	-	Loamy Mucky N Loamy Gleyed	Mineral (F1 Matrix (F2)	(LRR K,		Dark Surface Polyvalue Bel	(S7) (LRR K, L) ow Surface (S8) (LRR K, L)
Thick Da	l Below Dark Surface irk Surface (A12) lucky Mineral (S1)	e (A11) -	Depleted Matrix Redox Dark Su	rface (F6)	. .		Iron-Mangane	face (S9) (LRR K, L) ise Masses (F12) (LRR K, L, R
Sandy G	lleyed Matrix (S4) edox (S5)	-	Depleted Dark : Redox Depress		')			odplain Soils (F19) (MLRA 149 6 (TA6) (MLRA 144A, 145, 149 6 (atorial (F31)
Stripped	Matrix (S6) face (S7) (LRR R, M	LRA 149B)					Dark Surface (TF12)
	hydrophytic vegetati ayer (if observed):	on and wet	land hydrology mus	t be preser	nt, unless	disturbed	or problematic.	
Type:	rode							. .
Depth (inc	ches): 13"						Hydric Soil Preser	nt? Yes No X
marks:								

need mansfer for V plot

Project/Site: City/County: Franklin Sampling Date: 5:17.17
Plat 02 05 M
" ILCO I TO ILV
Investigator(s): Section, Township, Range: Starks
Landform (hillstope, terrace, etc.): flat basiv Local relief (concave, convex, none): Concave Slope (%): 16
Subregion (LRR of MLRA): Lat: 701394.08 Long: 300.2431.98' Datum:
Soil Map Unit Name:
Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
Are Vegetation NO, Soil NO, or Hydrology NO significantly disturbed? Are "Normal Circumstances" present? Yes No
Are Vegetation No., Soli No., or Hydrology No. naturally problematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Yes No Is the Sampled Area within a Wetland? No No Is the Sampled Area within a Wetland? No Is the Sampled Area within a Wetland?
Wetland Hydrology Present? Yes No If yes, optional Wetland Site ID: Remarks: (Explain alternative procedures here or in a separate report.)
morphological adaptations observed among over 50% to toyon + populus trum.
9 13:80 7 7 7 103
HYDROLOGY
Wetland Hydrology Indicators: Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6)
Surface Water (A1) Water-Stained Leaves (B9) Drainage Patterns (B10) Appet 5 Surface (B2)
High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) Saturation (A3) Mori Deposits (B15) Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8)
Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2)
Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) Field Observations:
Surface Water Present? Yes No Depth (inches):
Water Table Present? Yes No Depth (inches): SUTFICE
Saturation Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
Remarks:
Pit + Mound micro-topo w/water in pits free water in pit 1" below soil sufface.

VEGETATION - Use scientific flames of plants.					
Tree Stratum (Plot size: 30 1	Absolute	Dominant		Dominance Test worksheet:	
		Species?		Number of Dominant Species	
1. Populus trumuloidica-	20%		FAC*		A)
2. HO)es balsamen	270		FAC	Total Number of Dominant	
3. TSVSa Canadensis	21/2		FAC*		B)
4 Acer rubrum	3%	:	FAC	Percent of Deminent Species	
5. Botula populitolia	119.		FAC	Percent of Dominant Species That Are OBL, FACW, or FAC: (A	A/B)
s. pervia population			1/1-		
6				Prevalence Index worksheet:	
7	1 - 00			Total % Cover of: Multiply by:	
1-10	A 770	= Total Cov	er	OBL species x1 = 0	
Sapling/Shrub Stratum (Plot size:)				FACW species x 2 =	
1. Acer rubrum	5%		FAC	FAC species x 3 = 33	
2. Vibrium den fatur			FAC	FACU species x 4 = 8	l
3. SDIFER latitula	21%		troul	UPL species x5 = 0	
3. <u>Sprea 10/14011.</u>	<u> </u>		THUV	Column Totals: 15 (A) 45	(B)
4				Prevalence Index = B/A = 45/5 = 3	
5					
6				Hydrophytic Vegetation Indicators:	
7	اما وشي			1 - Rapid Test for Hydrophytic Vegetation	ļ
,	+ 10	= Total Cov	er	2 - Dominance Test is >50%	
Herb Stratum (Plot size: 5 rad iVs)			;		. J ina
1. Miamantheum ranadense	15%		FACU	data in Remarks or on a separate sheet)	aung
2. Cornus Canadensi's	840		FAC	Problematic Hydrophytic Vegetation¹ (Explain)	
3. Dryopteris Carthusianer	17,		FACW		
4. abjes balsamea	<170		FAC	Indicators of hydric soil and wetland hydrology mu be present, unless disturbed or problematic.	ıst
5. acer rubrim	170		FAC	be present, unless disturbed or problematic.	
				Definitions of Vegetation Strata:	
	<u><170</u>		FA CU	Tree – Woody plants 3 in. (7.6 cm) or more in diam	neter
7. Betula alleghane MAis	<170		FAC	at breast height (DBH), regardless of height.	
8. Sphaghun				Sapling/shrub – Woody plants less than 3 in. DBH	.
9				and greater than or equal to 3.28 ft (1 m) tall.	
10.				Herb – All herbaceous (non-woody) plants, regardi	220
11.				of size, and woody plants less than 3.28 ft tall.	000
				Woody vines – All woody vines greater than 3.28 f	et in
12	274			height.	
	Ø7 /2	= Total Cov	er	·	
Woody Vine Stratum (Ptot size:)		-			
1					
2.					
3				Libratina minusira	
				Hydrophytic Vegetation	
*				Present? Yes No	
		= Total Cov	er		
Remarks: (Include photo numbers here or on a separate s	ineet.)				
/					
1. 1. 1. 1.	1.		woh.	docaral adaptations	
* Don trem & TSU Can	nav	C M	or pro	oregreed encorprise.	
* pop trem + tou can status Dá to FAC.					
STAINS D'A TO FIL.					
					ì

_	•		

Depth

(inches)

Hydric Soil Indicators:

Histic Epipedon (A2)

Hydrogen Sulfide (A4)

Stratified Layers (A5)

Thick Dark Surface (A12)

Sandy Mucky Mineral (S1)

Sandy Gleyed Matrix (S4)

Sandy Redox (S5)

Stripped Matrix (S6)

Restrictive Layer (if observed):

Type:

Remarks:

Depth (inches):

Black Histic (A3)

... Histosol (A1)

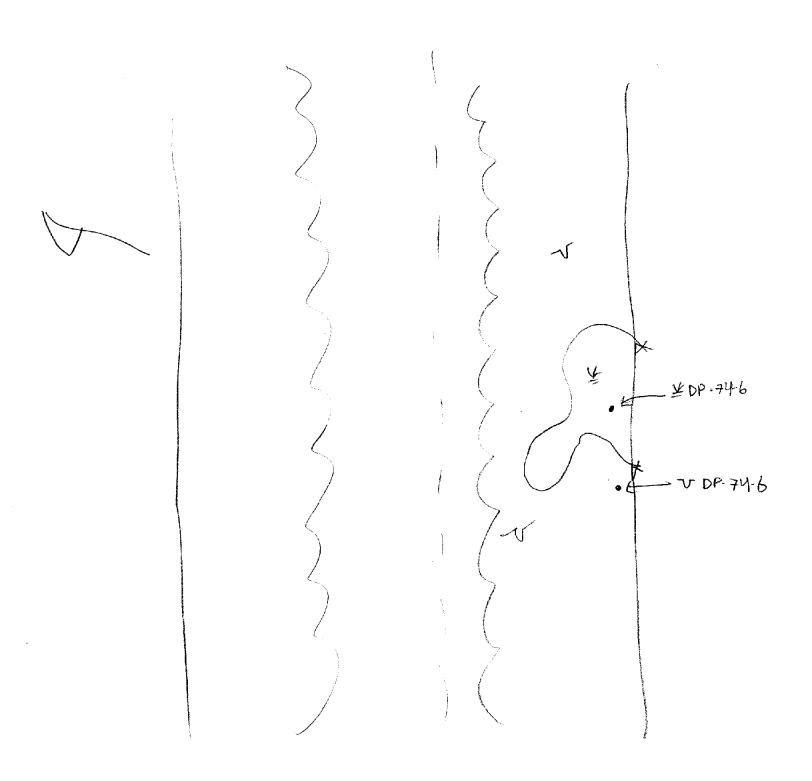
Matrix

Color (moist)

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of Indicators.) Redox Features Color (moist) Type¹ Texture 1007 ¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ²Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils3: Polyvalue Below Surface (S8) (LRR R, ___ 2 cm Muck (A10) (LRR K, L, MLRA 149B) MLRA 149B) ___ Coast Prairie Redox (A16) (LRR K, L, R) Thin Dark Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Loamy Mucky Mineral (F1) (LRR K, L) Dark Surface (S7) (LRR K, L) Loamy Gleyed Matrix (F2) Polyvalue Below Surface (S8) (LRR K, L) Depleted Below Dark Surface (A11) Depleted Matrix (F3) Thin Dark Surface (S9) (LRR K, L) Redox Dark Surface (F6) Iron-Manganese Masses (F12) (LRR K, L, R) Depleted Dark Surface (F7) Piedmont Floodplain Soils (F19) (MLRA 149B) Redox Depressions (F8) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Red Parent Material (F21) Very Shallow Dark Surface (TF12) Dark Surface (S7) (LRR R, MLRA 149B) Other (Explain in Remarks) ³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Hydric Soil Present?

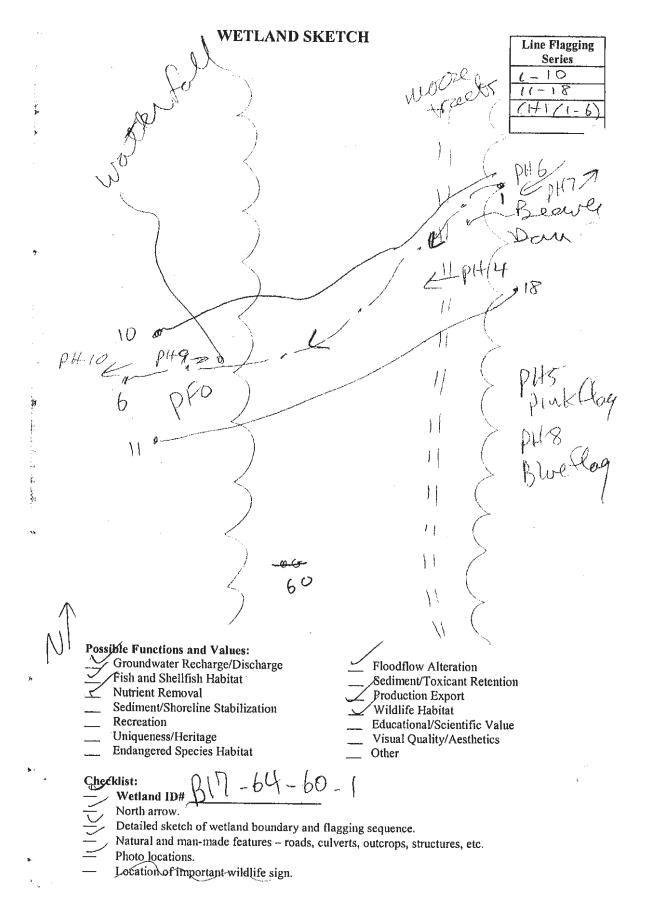
Sampling Point: Plot = 99



USACE
Data Plot Examples

Segment 4

Observers: MAG NC Date: Town: Lewis Town Series: DIFA Segment #: 17 CMP Section #: 64 CMP Pole #: 60 Wetland ID #: 1 Stream/Waterbody ID: 64 Corps plot: Yes Dominant NWI Class: PSS \ Other NWI Classes: PFO Representative Wetland Vegetation (by Strata): All 16 Ceres Of Corps plot: Yes Other NWI Classes: PFO Representative Wetland Vegetation (by Strata): All 16 Ceres Of Corps plot: Yes Other NWI Classes: PFO Representative Wetland Hydrology Permanently Flooded Seasonally Flooded Seasonally Flooded (approximate depth -) Hydrologic Indicators: Silt Deposition Water-Stained Leaves Water Marks Drift Lines Surface Scouring Drainage Patterns Buttressed Trees Elevated Roots Other Observations: Representative Depth Horizon Color Redox Texts	No: 1 /4 /4)
Segment #: 17 CMP Section #: 64 CMP Pole #: 60 Wetland ID #: 1 Stream/Waterbody ID: 64 CMP Pole #: 60 Wetland ID #: 1 Stream/Waterbody ID: 64 CMP Pole #: 60 Wetland ID #: 1 Stream/Waterbody ID: 64 CMP Pole #: 60 Wetland ID #: 1 Stream/Waterbody ID: 64 Corps plot: Yes Dominant NWI Class: PSS Other NWI Classes: PO. Representative Wetland Vegetation (by Strata): Comparison of the com	No: 1 /4 /4)
Segment #: 17 CMP Section #: 64 CMP Pole #: 60 Wetland ID #: 15 Corps plot: Yes Dominant NWI Class: PSS Other NWI Classes: PSS	1/4 1/4 My D
Stream/Waterbody ID: CH Corps plot: Yes Dominant NWI Class: PSS Other NWI Classes: From Representative Wetland Vegetation (by Strata): Active Level Osm (e.g., Spids) Representative Wetland Hydrology Permanently Flooded Seasonally Flooded (approximate depth -) (approximate depth -) Hydrologic Indicators: Silt Deposition Water-Stained Leaves Water Marks Drainage Patterns Buttressed Trees Elevated Roots Other Observations:	1/4 1/4 My D
Dominant NWI Class: PSS \ Other NWI Classes: PFO Representative Wetland Vegetation (by Strata): All No Strata OSM CIA Hard All No Strata Representative Wetland Hydrology Representative Wetland Hydrology Representative Wetland Hydrology Permanently Flooded Seasonally Flooded Saturated (approximate depth -) (approximate depth -) Hydrologic Indicators: Silt Deposition Water-Stained Leaves Surface Scouring Drainage Patterns Drift Lines Surface Scouring Elevated Roots Other Observations:))
Representative Wetland Vegetation (by Strata): Commodered	, u
Representative Wetland Hydrology Permanently Flooded Seasonally Flooded (approximate depth -) (approximate depth -) Hydrologic Indicators: Silt Deposition Water-Stained Leaves Surface Scouring Drainage Patterns Drift Lines Elevated Roots Other Observations:	, u
Representative Wetland Hydrology Permanently Flooded Seasonally Flooded (approximate depth -) (approximate depth -) Hydrologic Indicators: Silt Deposition Water-Stained Leaves Surface Scouring Drainage Patterns Drift Lines Elevated Roots Other Observations:	, u
Representative Wetland Hydrology Permanently Flooded Seasonally Flooded (approximate depth -) (approximate depth -) Hydrologic Indicators: Silt Deposition Water-Stained Leaves Surface Scouring Drainage Patterns Drift Lines Elevated Roots Other Observations:	, u
Representative Wetland Hydrology Permanently Flooded Seasonally Flooded Saturate (approximate depth -) (approximate depth -) Hydrologic Indicators: Silt Deposition Water-Stained Leaves Surface Scouring Drainage Patterns Drift Lines Surface Scouring Elevated Roots Other Observations:	ed
Representative Wetland Hydrology Permanently Flooded Seasonally Flooded (approximate depth -) Hydrologic Indicators: Silt Deposition Water-Stained Leaves Water Marks Drift Lines Surface Scouring Drainage Patterns Buttressed Trees Elevated Roots Other Observations:	ed
Permanently Flooded Seasonally Flooded Saturate (approximate depth -) Hydrologic Indicators: Silt Deposition Water-Stained Leaves Water Marks Drift Lines Surface Scouring Drainage Patterns Other Observations:	ed
(approximate depth -) (approximate depth -) Hydrologic Indicators: Silt Deposition Water-Stained Leaves Water Marks Drift Lines Surface Scouring Drainage Patterns Buttressed Trees Elevated Roots Other Observations:	ed
Hydrologic Indicators: Silt Deposition Water-Stained Leaves Water Marks Drift Lines Surface Scouring Drainage Patterns Buttressed Trees Elevated Roots Other Observations:	
Water Marks Drift Lines Surface Scouring Drainage Patterns Buttressed Trees Elevated Roots Other Observations:	
Water Marks Drift Lines Surface Scouring Drainage Patterns Buttressed Trees Elevated Roots Other Observations:	
Other Observations:	
Representative Depth Horizon Color Redox Textu	
Representative Depth Horizon Color Redox Texto	ure
Wetland Soils: Features	
Mineral 0-8 A LOYR 6/6 - Sala	2
Organic 8-16 Oa 10yr 2/1 - Sup	,
Organic	
Other Observations: Meets NEIWPCC (2004) Criteria UNK proskusoil Allustal	2
Meets NEIWPCC (2004) Criteria UNR (1838 USB)	e a
Stream # 1 Data: Berth @ Center: 6-12 Peren. Intermittent	
Width (Bank-Bank): Depth @ Center: Vertical Gradual	
Bank Configuration:UndercutVerticalGradual Channel Substrate:Peat-MuckSilt-MudSandGravel/CobbleBoulder	
Channel Substrate:Peat-WidekShr-Wide	
Stream # 2 Data	
Width (Bank-Bank): Depth @ Center: Peren Intermittent	_
Bank Configuration: Undercut Vertical Gradual	
Channel Substrate: Peat-Muck Silt-Mud Sand Gravel/Cobble Boulder Bedrock	
Wildlife Observations/Sign (e.g., tracks/trails, droppings, dams/lodges, browse, dens, egg mass	ses,
potential VP):	
anistre -	
0	
Deaver	
Notes:	
$\mathcal{L}_{\mathcal{L}}$	
(+ 00 a + 1 (5 ND	
Streamside	
Take at a Committee of Committee on the	
Streams de Wetland of Special Significance	



	(5)) 1 0	4-00		- 000	V
PROJECT TITLE: M	93	TRANS	ECT:	PLOT:		
DELINEATOR(S): M/	P. Alima	DATE:	10-10	4-0)	-
	Stratum and Species		Dominance Ratio	Percent Dominance	D NWI Status	
Shrub					M	. 7
Ilever		60	60/115		PAC	w
Spiallo		40	40/115	32	1 PAC	+
Alury	1.	5	5/115	4		
Visdent	•	10	10/115	8		
Huly				:		
Comoin		10	10/26	40	LEA	kω
onto dens		3	3/26	12		
Thelped		3	~ •			
BSW reag	1		3/26	17	JEAC	W
l	· •	,D	Will	40		
LWDDODINTES		MON-HAD	ROPHYTES	<u></u>]	-
HYDROPHYTES		<u> </u>				1:
OBL FACW FAC Hydrophytes Subtotal (A):		FAC- Non-hydro	FACU UP phytes Subtotal (
F	PERCENT HYDROPHYTES	6 (100A/A+B):	5/5-	1510 %	i	
HYDROLOGY				U = 10		1
RECORDED DATA	age Identification;					1
Aerial photography Other	Identification:					
NO RECORDED DATA		_	C 11			ľ
OBSERVATIONS: Depth to Free Wa	iter:	Swfau	Le			
Depth to Saturation	on (including capillary fringe (explain):					
		_				
inundated 4	Saturated in Water upper 12"	'Marks ∐Drif		diment 🐧 posits	Drainage Patterns within Wetland	
OTHER (explain	n):				within Averiant	
CEN/E-CO-R-PT Version 7/V00 Page 1						

SOILSketch landscape position of this plot indicate relative position of other plot(s) and the wetland flag if not on plan Submission of photo of plot is encouraged. HORIZON COMMENTS (USDA texture, nodules, DEPTH MATRIX COLOR REDOXIMORPHIC concretions, masses, pore linings, restrictive layers, root distribution, soil water, etc.) FEATURES (color, abundance, size, contrast) HYDRIC SOIL INDICATOR(S): REFERENCE(S):
Ally veal layer above Ou OPTIONAL SOIL DATA REFERENCE(S): Taxonomic subgroup: Soil drainage dass: Depth to active water table: NTCHS hydric soil criterion: CONCLUSIONS YES REMARKS: Hydrophytic vegetation criterion met? Hydric soils criterion met? Wetland hydrology criterion met? IS THIS DATAPOINT IN A WETLAND? PROJECT TITLE: M

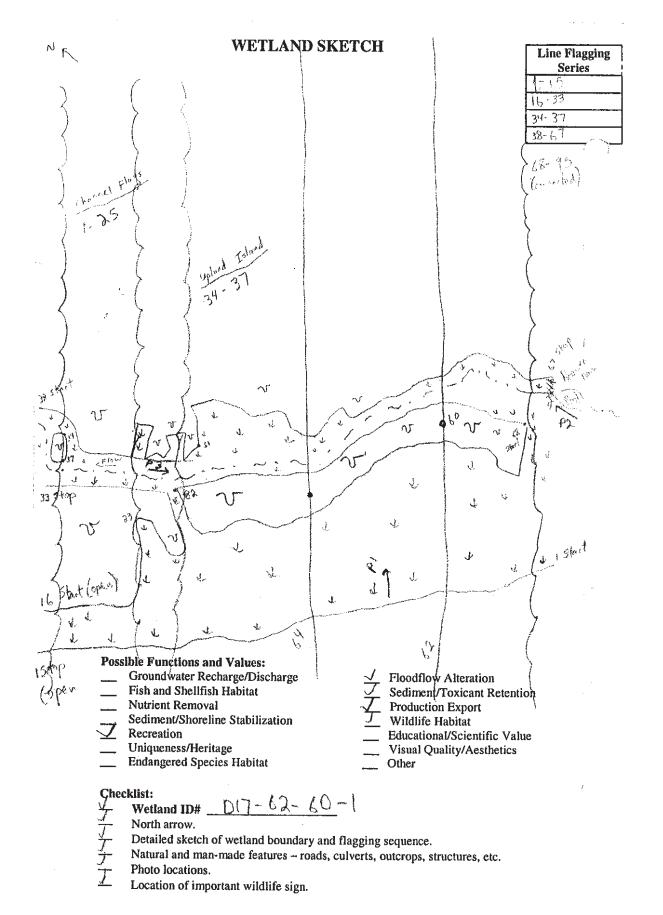
B17-64-60-1-WGT

	VI	1 OU	- 00		UIU
PROJECT TITLE: MPRP	TRANS	ECT.	PLOT:		
DELINEATOR(S): MP, A.G., MC	DATE:	10-1	9-0	27	
VEGETATION Stratum and Species		Dominance Ratio	Percent Dominance	D NWI Status O M	i.
Jus Com	65	10/75	87	1/24	20
Spidle	10	10/75	13		-
Herb					
Ptr agu Kal ang	20	20/55	37	PAC RAC-	V
Kal ang	5	5/55	10	JON-	î.
Cor cein	15 .	15/35	10	Mic	
Dog Bane Mit ref	10	15/55 5/68 W/54	19	FA	CJ
			,		
					į
			!		
HYDROPHYTES	NON-HYD	ROPHYTES	<u> </u>		-
OBL FACW FAC *OTHER	FAC-	3 FACU UPL	-		
Hydrophytes Subtotal (A): <u>D</u>		phyles Subtotal (E	31:4	1	
PERCENT HYDROPHYTES			0 %	j	
HYDROLOGY HISS	dea	bure	X	•	1
RECORDED DATA Stream, lake, or tidal page Identification:					
Aerial photography Identification;					
OBSERVATIONS:					1
Depth to Free Water: Depth to Saturation (including capillary fringe): Altered Hydrology (explain):					:
upper 12"	Marks 🔲 Drift		iment [osits	 Drainage Patterns within Wetland 	
U OTHER (explain): CENVE: CO-R-PT Version 1/V/00 Paga 1	A			ALCOURT AACOURIN	

15011

BM-64-60-1- UPT

	Maine Pov	MEL VEHADI			· vari
5 · 1 s	WETLA	ND SUMMA	RY FORM	15-57	68-95
Observers: Galasso P.	ettedine i Booth	101	Series	-15, 16-33, 34·	7,38-67
Town: Dur ha	MD Section #:	63. CMP	Pole #: 60	Wetland #) 1-01-02-1
Stream/Waterbody ID:	AND DIT	62-60-1-1		Corps plot:	YesNo
Dominant NV	VI Class: P55	70°/0		Other NWI Class	es: PEM 20%
	Dammagantativa	Wotland Vog	etation (by Si	rata):	PFO 10%
Herl	representative		5hrybs.		Inei
× 1. C	IP Car cri		The ver	•	Ace cub
Jun 6	off car lu	r ! .	Sp. tom	t	Abi bul
Shequ	um spp ver	Mas	coi lat		
Typ 01	al"		Spi tor Spi lat Aln in	C	
Ono :	sen				
	Represer	ntative Wetlar	nd Hydrology		
					Saturated
Permanently I	Flooded	Seaso	many riouded	·	_ Suturation
(approximate depth -	.)	(approximate	/ ucpui - /		
Hydrologic Indicat	tors: Sil	t Deposition		Water-Stain	ed Leaves
Wate	r Marks	Drift L	ines	Surface Sco ees Elevat	ouring
					ed Roots
Other Observations:	Toodplane we	Hand near	pole 6	0	
			Color	Redox	Texture
Representative Wetland Soils:	Depth	Horizon	Color	Features	
Mineral	7-0	Ŏi.	gasir Ma		Mucky
Organic	0-4	Ă	107R4 1	7.54R 3/4	Sic.
	4-2014	В	61 310Y		SIC
				<u></u>	
Other Observations:) "	7			
Meets NEIWPCC (2004	I) Criteria <u> </u>	<u> </u>			
Stream # 1 Data: Width (Bank-Bank): Bank Configuration:	n Danish @	Cantary 6	Deren	√ Inter	mittent
Width (Bank-Bank):	<u>∡</u> Depui @	Ve	ertical	Gradual	
Bank Configuration:F Channel Substrate:F	eat-Muck S	111-14100		el/CobbleBo	ulder
		Bedro	ck		
Stream # 2 Data	D4-6	Cantan	Daren	Inter	mittent
Width (Bank-Bank): Bank Configuration:	Depin @	Venter:	ertical	Gradual	
Channel Substrate:I	Peat-Muck S	ilt-MudS	andGrav	el/CobbleBo	oulder
		Bedro	ock		
		trails, droppir	igs, dams/lod	ges, browse, dens	, egg masses,
Wildlife Observations/S	Sign (e.g., tracks				
Wildlife Observations/S potential VP):					
Wildlife Observations/s potential VP):		· tooils			Dan on
Wildlife Observations/s potential VP):		· tooils			Dam on das of Roya
Wildlife Observations/spotential VP):	Q.	Be	raver activi	ity/Bearen eastern e	Dan on dge of Roy,
potential VP):	Oce	Be Mt 1	u Row	ity/Bearen eastern e	Dan on age of Roy, cannel
potential VP): Notes:	Oke Arv trail	Be on M+1	u Row	ity/Bearen costeine	iannel
potential VP): Notes:	Oke Arv trail	Be on M+1	u Row	ity/Bearen costeine	iannel
potential VP): Notes:	Oke Arv trail	Be on M+1	u Row	ity/Bearen costeine	iannel
potential VP): Notes:	Oke Arv trail	Be on M+1	u Row	ity/Bearen costeine	iannel
potential VP): Notes:	Oke Arv trail	Be on M+1	u Row	ity/Bearen costeine	iannel
potential VP): Notes:	Oke Arv trail	Be on M+1	u Row	ity/Bearen costeine	iannel
potential VP):	Oke Arv trail	Be on M+1	u Row	ity/Bearen costeine	iannel



VECETATION		Dominance	Dains -1	n	KINANI CIL-L
VEGETATION Stratum and Species Seed tings / Herbs		Ratio	Percent Dominance	DOM	NWI Status
		60/100	55	X.	FACUT
the acre			1.8		
Car luc	-	15/1110	14		-
Pol sag		16/110	q		:
Car cri		5/110	5	ľ	
Spî lat					
Shrubs					:
market of the same and the same		40/70	57	×	FAC or
Salix spp	,		43	×	FAC OF
Abi bal			· .		
Sa pro-					
ALT bal		40/70		Х	FAC
Abi bal Ace rub		30/70	43	X	FAC
Trees		NO" /44	- 65	X	FAC
Ati bal		29"/44	НЕ		CAC
Ace Mb		30 / 17			Fric
HYDROPHYTES , N	PONT LIVED	OBUNTEO			
		OPHYTES	_		
		FACU UPL	~	-	
		nytes Subtotal (B): <u> </u>		
PERCENT HYDROPHYTES (100A/	/A+B). <u> </u>	0010			
HYDROLOGY	,				:
RECORDED DATA Stream, lake, or tidel gage Identification:	J				
Aerial photography Identification: Other Identification:					
NO RECORDED DATA					:
Depth to Free Water water in P	it at	A kiq			
Depth to Free Water: Water Depth to Saturation (including capillary fringe): At					
Altered Hydrology (explain):					
Major Marks	Doft	ines El Sedi	ment N	∤ ⊓	rainane
Inundated Saturated in Water Marks upper 12" OTHER (explain):		Depo		P	rainage attems ithin Wetland

The state of the

channel

SOILSketch	landscape pos	ition of this plot. I	ndicate relative	position of ol	her plot(s) and the wet	land flag if not on pla	an.
v		1	1 4/6	14 L	V V		
Submission of	photo of plot is	s encouraged.					
DEPTH	HORIZON	MATRIX COLO	FEATUR		COMMENTS (USI concretions, masses, p layers, root distribute	ore linings, restrictive	
1-0	0;	_			Much		
0-4	A	10YRH 1	7.548 3	/4 m 4 D	SiC		
4-20'	В	G1 3/107	10 YR 4	14.3P	SiC		
				• •			
:							
HYDRIC SOIL	. INDICATOR(S):	RE	FERENCE(S).		7
	V_	Car Berger	IEIW	49 1	2004		
OPTIONAL S	OIL DATA		,		٠		
Taxonomic su Soil drainage			RE	FERENCE(S	i):		
Depth to activ	e water table:				Wigner Control		
CONCLUS	IONS	YE	S NO RE	MARKS:) ,,, ,
Hydrophytic v	egetation criter	ion met?					
Hydric soils or	iterion met?	Ø	<i>,</i>				ı
Wetland hydro	ology criterion	met?	, 🗆				
IS THIS DATA	APOINT IN A V	VETLAND?					ľ
CENAE-COR-PT Vers							
PROJECT TIT	ILE: MP	sp proje	e ct Dr	TRANSE 7-62-60	ct: PI	107: Plot	

PROJECT TITLE: MPRP Project	TRANS	ECT: (3-60-1	PLOT	P	Plot	
DELINEATOR(S): Galass of Battaglia / Boothby	DATE:	10-25-0		١		
VEGETATION Stratum and Species		Dominance Ratio	Percent Dominance	D O	NWI Status	
Herbs/ Seedlings		,		M		
201 CAL		40/95	Hy	Х	FAC	l
Que rub		30/95	33	×	FACIL	
Chip macu		10/90			r i	
Tru can		10/90	11			
Shube						-
TEA CAP		40/120	35	1	FACU	
Que rub		30/190	25	T.	FACU	-
Ace rub	•	30/120	35	_	L1,0	
Frag gra		1				
Saplings					CAZII.	
Tsu can		100 (100		X	FACU	
Pin steo		20/100		×	FAC	
Abi bal		201,00	7			- -
Thees		,			FACU	
Tou can		42/70	40	×	FAC	
HYDROPHYTES	NON-HYD	ROPHYTES	10		7 ()	
<u> </u>		.6				1 -
OBL FACW FAC *OTHER Hydrophytes Subtotal (A): 1/4	FAC- Non-hydror	FACU UPL hytes Subtotal (f	/			
PERCENT HYDROPHYTES (100A			-7. <u></u>			
No. of the control of	-4.				:	
HYDROLOGY RECORDED DATA		. /	**.			
Steam, lake, or tidal gage identification: Aerial photography identification:		_/		-		
Other Identification:						
OBSERVATIONS:		•				:
Depth to Free Water:	/					
Altered Hydrology (explain):						ľ
☐ Inundated ☐ Saturated in ☐ Water Marks upper 12"	Dnit		iment [rainage attems	3
OTHER (explain):		ССР	- vina		vithin Wetland	
CENAE CO-R-PT Version 7/V00 Page 1						į.

channel

SOILSketch	landscape pos	ition of this plot Ind	icate relativ	e position of ol	her plot(s) and the	wetland flag if not on p	olan.
v	t at.	1 1	75	/	75		
Submission of	photo of plot is	s encouraged	/ U ·	100			
DEPTH	HORIZON	MATRIX COLOR	FEATL	(IMORPHIC JRES (color, a, size, contrast)	concretions, masse	(USDA lexture, nodules, as, pore linings, restrictive bution, soil water, etc.)	(
1-0	0.			~	Duff		
0-2	A	10YR 3/4 10YR 4/6		-	SiL		
2-18"	В	10YR 4/6	anisht.	~	SIL		
e i delik a dia							
F F -							
HYDRIC SOIL	INDICATOR(S):	F	REFERENCE(S	\$ /	· · · · · · · · · · · · · · · · · · ·	
				· · · ;			
OPTIONAL S	OIL DATA						
Taxonomic su	bgroup:		F	REFERENCE(8	3):		`
Soil drainage Depth to activ NTCHS hydro	e water table:						İ
CONCLUSI	ONS	;			,		
:		YES	. /	REMARKS:			ľ
Hydrophytic ve	egetation criter	ion met?	\ [a]				
Hydric soils o	iterion met?						
Wetland hydro	ology criterion i	met?					
IS THIS DATA	APOINT IN A V	VETLAND?	Ø				
CENAE COR PT Versi		4.					_
PROJECT TIT	ILE: MPR	P Project		TRANSE	ECT: 2-60 = 1	PLOT: Plot	

USACE
Data Plot Examples

Segment 5

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

WETLAND DETERMINA	TION DATA FORM - Notticetta	4/21./17
oject/Site: QMZ	City/County:	Sampling Date: 4/2 C//7 State: ME Sampling Point: Plot-18
/ MA/I		
	S. Con Tournehin Dange'	
,00ugata (-):		aug control none)
ndform (hillslope, terrace, etc.):gentle_slop ope (%):41/, Lat: _429062 . 61 C4	3076124.3	& FAE Datum: NAD 83
ope (%): Lat:Lat:	Long:	NWI classification:
il Map Unit Name:		
e climatic / hydrologic conditions on the site typical for	this time of year? Yes No	(If no, explain in Remarks.)
e Vegetation, Soil, or Hydrology	significantly disturbed?	al Circumstances present? Yes No
e Vegetation, Soil, or Hydrology	naturally problematic? (If needed,	, explain any answers in Remarks.)
JMMARY OF FINDINGS – Attach site ma	en showing sampling point locat	ions, transects, important features, etc.
UMMARY OF FINDINGS - Attach site in		
Hydrophytic Vegetation Present? Yes	No K Is the Sampled Area within a Wetland?	** **
Hydric Spil Present? Yes	No	
Netland Hydrology Present? Yes	No If yes, optional Wetlan	nd Site ID:
Remarks: (Explain alternative procedures here or in a	separate report.)	
/DROLOGY		· · · · · · · · · · · · · · · · · · ·
Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check	all that apply)	Surface Soil Cracks (B6)
	Water-Stained Leaves (B9)	Drainage Patterns (B10)
	Aquatic Fauna (B13)	Moss Trim Lines (B16)
	Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)
	Oxidized Rhizospheres on Living Roots (C3	3) Saturation Visible on Aerial Imagery (C9)
	Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)
<u> </u>	Recent Iron Reduction in Tilled Soils (C6)	Geomorphic Position (D2)
	Thin Muck Surface (C7)	Shallow Aquitard (D3)
	Other (Explain in Remarks)	Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)		FAC-Neutral Test (D5)
Field Observations:	Donth (inches):	
Surface Water Present? Yes No		
Water Table Present? Yes No	Z ²	d Hydrology Present? Yes No <u>K</u>
Saturation Present? Yes <u>✓</u> No (includes capillary fringe)	Depth (inches): Wetland	a nydrology Present? Tes No
Describe Recorded Data (stream gauge, monitoring w	rell, aerial photos, previous inspections), if a	vailable:
Remarks:	1 1 1 1 1 1 1 1	
During normal condition	ms Suturation would	not be present
		,

		_	
VEGETATION -	Lica eciantifia	namar of	nlante :
VEGETATION ~	OSE SCIENTING	Hairies UI	DIGI ILS.

Sampling Point: <u>Plot-185</u>-02-4

	Absolute	Dominant		Dominance Test worksheet:
Tree Stratum (Plot size: 30'77)		Species?		Number of Dominant Species
1. Pinus strobus	70		Full	That Are OBL, FACW, or FAC: (A)
2.				Total Number of Dominant
3				Species Across All Strata: (B)
				` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` `
4.				Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
5				That Ale OBE, FAOW, OF FAC.
6	_			Prevalence Index worksheet:
7				Total % Cover of: Multiply by:
		= Total Cov		OBL species x 1 =
Sapling/Shrub Stratum (Plot size: 15',7)				FACW species x 2 =
!			Fac	FAC species x 3 =
1. Abis balsamen	45			FACU species x4 =
2. Quercus grandifolia 3. Lorylus cornuta	20		Facll	1
3. Corelus cornuta	7			UPL species x 5 =
4				Column Totals: (A) (B)
4	-	,		Prevalence Index = B/A =
6				Hydrophytic Vegetation Indicators:
				Rapid Test for Hydrophytic Vegetation
7.				Dominance Test is >50%
/	_72_	= Total Cov	rer	Prevalence Index is ≤3.0¹
Herb Stratum (Plot size: 5'k)				Morphological Adaptations¹ (Provide supporting
1				data in Remarks or on a separate sheet)
2				Problematic Hydrophytic Vegetation [†] (Explain)
3.				
				Indicators of hydric soil and wetland hydrology must
4				be present, unless disturbed or problematic.
5				Definitions of Vegetation Strata:
6				Tree – Woody plants 3 in. (7.6 cm) or more in diameter
7	_		-	at breast height (DBH), regardless of height.
8				Santing (showshall Meanth a short short 2 in SDI)
9				Sapling/shrub – Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.
10.				Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
11				
12				Woody vines All woody vines greater than 3.28 ft in
		= Total Cov	er er	height.
Woody Vine Stratum (Plot size: 30/パー)				
1.				
2				
3				Hydrophytic
4				Vegetation
		= Total Cov	er/er	169 NO/_
Remarks: (Include photo numbers here or on a separate				
	•			
				1

^	~…	
	r all	

Sampling Point: 1964-185-02-41

Profile Desc	cription: (Describe i	to the dept	th needed to docun	nent the i	indicator	or confirm	the absence of indicators.)
Depth	Matrix			x Feature			and absence of indicators.)
(inches)	Color (moist)	%	Color (moist)	%	Type	Loc ²	
0-4	104K 3/3	100	_				
4-8	104R4/4	80	2.5 4 5/2	20	15	m	<u> </u>
8-17	SY 5/3	95	1048 AA	5	c	¿M.	L
,							
		 .					
1Type: C=C	oncentration, D=Depl	etion DM-	Peduced Matrix CC				2,
Hydric Soll	Indicators:	GUOLI, IXIVI-	Reduced Malifx, Co	-covered	or Coate	a Sana Gra	ains. ² Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Solls ³ :
Histosol			Polyvalue Below	v Surface	(S8) (LRF	l R.	2 cm Muck (A10) (LRR K, L, MLRA 149B)
Histic Ep	oipedon (A2)	•	MLRA 149B)		(00) (=10	,	Coast Prairie Redox (A16) (LRR K, L, R)
Black Hi	, ,	-	Thin Dark Surfa				5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
	en Sulfide (A4)	-	Loamy Mucky M			L)	Dark Surface (S7) (LRR K, L)
·	t Layers (A5) d Below Dark Surface	. (611)	Loamy Gleyed M	-)		Polyvalue Below Surface (S8) (LRR K, L)
	ark Surface (A12)	<i>:</i> (A11)	Depleted Matrix Redox Dark Sur				Thin Dark Surface (S9) (LRR K, L)
	fucky Mineral (S1)	•	Depleted Dark S				Iron-Manganese Masses (F12) (LRR K, L, R) Piedmont Floodplain Soils (F19) (MLRA 149B)
	Gleyed Matrix (S4)	•	Redox Depressi		• ,		Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
Sandy R	ledox (S5)						Red Parent Material (TF2)
	Matrix (S6)						Very Shallow Dark Surface (TF12)
Dark Su	rface (S7) (LRR R, M	LRA 149B)				Other (Explain in Remarks)
³ Indicators o	f hydrophytic vegetati	ion and uni	tland hydrology musi	t ha araa		. ادم ماس بادما	An area bloom at the
	Layer (if observed):	OII allo We	nand Hydrology mus	t be prese	ent, uniess	disturbed	or problematic.
Type:	, (,						
Depth (in	ches):						Hydric Soil Present? Yes No _K
Remarks:	oriody.		·····				100 100
riomana.							
					•		

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: QMI	City/County:	Sampling Date: 4/2 6/17
Applicant/Owner:		State: ME Sampling Point: Po4-184-05-WE
Investigator(s): SNM DHP	Section, Township, Range:	
J ()		
Landform (hillslope, terrace, etc.): Sligh+ 3	Local relief (con	cave, convex, none):
Slope (%): 2 Lat: 428889.53	<u> </u>	71 C+E Datum: NAD 83
Soil Map Unit Name:		NWI classification: PFO 1/4 E
Are dimatic / hydrologic conditions on the site typical fo	or this time of year? Yes No	(If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology		mal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology	==	d, explain any answers in Remarks.)
Are vegetation, Soil, or Hydrology	naturally problematic: (in neede	o, explain any answers in Nemarics.)
SUMMARY OF FINDINGS – Attach site m	ap showing sampling point loca	tions, transects, important features, etc.
Hydrophytic Vegetation Present? Yes	_ No Is the Sampled Are	ea /
	No within a Wetland?	Yes No
1	_ No If yes, optional Wetla	and Site ID:
Remarks: (Explain alternative procedures here or in		and one in.
Date Ro this plot to		
Data the Phis plat to	en July !	rain event
	·	
HYDROLOGY		
Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; chec	k all that anniv)	Surface Soil Cracks (B6)
	Water-Stained Leaves (B9)	✓ Drainage Patterns (B10)
1 — · · · —	Aquatic Fauna (B13)	Moss Trim Lines (B16)
1 — · · · · · · · · · · · · · · · · · ·	Marl Deposits (B15)	Dry-Season Water Table (C2)
	Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)
1		3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)
Algai Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils (C6)	Geomorphic Position (D2)
Iron Deposits (B5)	Thin Muck Surface (C7)	Shallow Aquitard (D3)
	Other (Explain in Remarks)	Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	<u> </u>	FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes No	Depth (inches):	
Water Table Present? Yes No		
		nd Hydrology Present? Yes No No
(includes capillary fringe)	, Bobar (morios).	anyarology rooms. Too
Describe Recorded Data (stream gauge, monitoring v	vell, aerial photos, previous inspections), if	available:
D	·	
Remarks:		
Root butnessing obs	arred on all trees	S- alat

VEGETATION – Use scientific names of plants.

70	Absolute	Dominant		Dominance Test worksheet:
Tree Stratum (Plot size: 30')	SO SO	Species?		Number of Dominant Species
1. Acc rubrum			tac	That Are OBL, FACW, or FAC: (A)
2. Proces shows				Total Number of Dominant
3. Abies bulsamea				Species Across All Strata:
4. Francisco pennsylvanica	_ <u>_ 5</u>			Percent of Dominant Species
5				That Are OBL, FACW, or FAC: (A/B)
6				Prevalence Index worksheet:
7				Total % Cover of:Multiply by:
		= Total Cov	ver	OBL species x 1 =
Sapling/Shrub Stratum (Plot size: 15)				FACW species x 2 =
1				FAC species x 3 =
				FACU species x 4 =
2.				UPL species x 5 =
3				Column Totals: (A) (B)
4				Orouglappa Indov D/A +
5				Prevalence Index = B/A =
6				Hydrophytic Vegetation Indicators:
7				Rapid Test for Hydrophytic Vegetation
		= Total Cov	er/er	
Herb Stratum (Plot size: 5'R)				Prevalence Index is ≤3.0¹
1. Dyopteris carthusiana	30		Fac	Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
2. Phalaris arundinacae	5			Problematic Hydrophytic Vegetation ¹ (Explain)
3.				
4				Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
5				
				Definitions of Vegetation Strata:
6				Tree – Woody plants 3 in. (7.6 cm) or more in diameter
7				at breast height (DBH), regardless of height.
8				Sapling/shrub – Woody plants less than 3 in. DBH
9				and greater than 3.28 ft (1 m) tall.
10				Herb – All herbaceous (non-woody) plants, regardless
11.				of size, and woody plants less than 3.28 ft tall.
12				Woody vines - All woody vines greater than 3.28 ft in
	<u> 35 </u>	= Total Cov	⁄ег	height.
Woody Vine Stratum (Plot size: 30')				
1.				
2.				
3				Hydrophytic Vegetation
4				Present? Yes No
		= Total Cov	/er	
Remarks: (Include photo numbers here or on a separate s	sheet.)			
	•			

Profile Desc	ription: (Describe t	to the dep	th needed to docum	ent the i	ndicator	or confirm	the absence of	indicators.)
Depth (inches)	Matrix Color (moist)	%	Color (moist)	Features		Loc ²	Toxeuse	Pomorko
(inches)	10YR 5/,	 45	LOYR 4/6	<u>*</u> 5	Type'	LOC		Remarks
4.9	1048 41/1	75	10Y12 -1/6	15		m		
7 " 1	- W 4 / 1	12	6 ley 1 5/N				<u> </u>	
			1-4/4	10		m		
9-20+	57 5/4	40	104R 4/4	30		m	<u> </u>	
			Gley 2 3/5B	<u>30</u>		<u></u>		
	-							
								
								10 10 10 10 10 10 10 10 10 10 10 10 10 1
								·····
		·						
·								
		letion, RM	=Reduced Matrix, CS	=Covered	i or Coate	d Sand Gra		on: PL=Pore Lining, M=Matrix.
Hydric Soil Histosol			Doharakia Polov	Curfoso	/CO\ /I DI			Problematic Hydric Soils ³ :
	pipedon (A2)		Polyvalue Below MLRA 149B)		(58) (LKI	κ к,		k (A10) (LRR K, L, MLRA 149B) iirie Redox (A16) (LRR K, L, R)
	istic (A3)		Thin Dark Surface		.RR R, MI	LRA 149B)		ky Peat or Peat (S3) (LRR K, L, R)
	en Sulfide (A4)		Loamy Mucky M			, L)		ace (S7) (LRR K, L)
	d Layers (A5) d Below Dark Surface	o (A11)	Depleted Matrix)			Below Surface (S8) (LRR K, L)
	ark Surface (A12)	E (A(11)	Redox Dark Sur					Surface (S9) (LRR K, L) ganese Masses (F12) (LRR K, L, R)
	lucky Mineral (S1)		Depleted Dark S		7)			Floodplain Soils (F19) (MLRA 149B)
	Gleyed Matrix (S4)		Redox Depressi	ons (F8)				odic (TA6) (MLRA 144A, 145, 149B)
	Redox (S5)							nt Material (TF2)
	l Matrix (S6) Irface (S7) (LRR R, N	MLRA 149	B)				-	low Dark Surface (TF12) plain in Remarks)
	moo (o,) (Errit ri, ii	ILIUA 140	-,				Olilei (Lx	plan in Nemarks)
			etland hydrology musi	t be prese	ent, unless	disturbed	or problematic.	
	Layer (if observed):							
Type:	abaa):						Hydric Soil Pro	esent? Yes No
Depth (in Remarks:	cnes).					<u> </u>	nyunu uun 1	
Remarks.								

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: QMI City/C	county: Sampling Date: 4/26/17
Applicant/Owner:	
Investigator(s): SNH DHP Section	on, Township, Range
Landform (hillslope, terrace, etc.): hill slope/shoulder	Local relief (concerve construction)
Slope (%): 47. Lat: 424/79.32 C+N Long:	Cocal relief (collicave, convex, none):
	NWI classification:
Are climatic / hydrologic conditions on the site typical for this time of year? Y	es No (If no explain in Remodes)
Are Vegetation, Soil, or Hydrology significantly disturt	
Are Vegetation, Soil, or Hydrology naturally problems	
SUMMARY OF FINDINGS – Attach site map showing sam	the state of the s
Hydrophytic Vegetation Present? Yes No	Is the Sampled Area
Hydric Soil Present? Yes No	within a Wetland? Yes No
Wetland Hydrology Present? Yes No	If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures here or in a separate report.)	
Data for form recorded during rain	event,
Pot within clowed Row	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Water-Stained Leave	i de la companya de la companya de la companya de la companya de la companya de la companya de la companya de
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odd	
Sediment Deposits (B2) Oxidized Rhizosphere	
Drift Deposits (B3) Presence of Reduced	
Algal Mat or Crust (B4) Recent Iron Reduction	
Iron Deposits (B5) Thin Muck Surface (C	.7) Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Ren	marks) Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches):	
Saturation Present? Yes No Depth (inches): (includes capillary fringe)	Wetland Hydrology Present? Yes NoK
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre-	vious inspections), if available:
David	
Remarks:	
Saturation present due la rain dur	ing survey. Sometion would
not be present in normal circui	m straves
,	-

VEGETATION – Use scientific names of plants.

VEGETATION - 000 delimine	Absolute Dominant Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30 'A)	% Cover Species? Status	Number of Dominant Species That Are OBL, FACW, or FAC:(A)
1		Total Number of Dominant
3		Species Across All Strata: (B)
4		Percent of Dominant Species That Are OBL, FACW, or FAC:(A/B)
5		That Ale Obl., I Aovi, si , v.e.
6		Prevalence Index worksheet:
7		Total % Cover of: Multiply by:
٠, ٠	= Total Cover	OBL species x 1 =
Sapling/Shrub Stratum (Plot size: \(\) \(\) \(\) \(\) \(\)	/ C //	FACW species x 2 =
1. Pterdium ag.	30 V fuel	- FACIL opening VA =
2. Ilex va.		UPL species x 5 =
3. Pinus strobus		Column Totals: (A) (B)
4		Prevalence Index = B/A =
5		Hydrophytic Vegetation Indicators:
6		Rapid Test for Hydrophytic Vegetation
7		Dominance Test is >50%
-/-	39 = Total Cover	Prevalence Index is ≤3.0¹
Herb Stratum (Plot size: 5 R)	45 / Fc	Morphological Adaptations ¹ (Provide supporting
1. Solidago rugosa	- 13 - +-c	data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain)
2. Aster Sp.		- Problematic Hydrophytic Vegetation (Explain)
3 4.		¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
5		
6		
7		Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
8		Sapling/shrub – Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.
9		
10.		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
12.		Woody vines - All woody vines greater than 3.28 ft in
12.	= Total Cover	height.
Woody Vine Stratum (Plot size: 30 'R)		
1		
2.		
3.		Hudsonbutto
4		Hydrophytic Vegetation
	= Total Cover	Present? Yes No
Remarks: (Include photo numbers here or on a separate	e sh ee t.)	

Profile Desc	ription: (Describe	to the dept	th needed to docume	ent the i	indicator e	or confirm	the absence of	of indicato	rs.)
Depth	Matrix			Feature					
(inches)	Color (moist)	%	Color (moist)	<u>%</u>	Type ¹	_Loc ²	Texture		Remarks
0-4	2,5Y 4/3	100					SIL		
4-18+	54 5/3	95	2,54 4/3	_5_		<i>47</i> 1	51'L		
									
				·					
	-								
1									
'Type: C=Co Hydric Soil I	ncentration, D=Dep	eletion, RM=	Reduced Matrix, CS=	-Covere	d or Coate	d Sand Gr			Pore Lining, M=Matrix.
Histosol			Pohashio Polow	Sueface	(QQ) /I BF) D			natic Hydric Soils ³ :
·	ipedon (A2)		Polyvalue Below MLRA 149B)	Surface	(50) (LKF	KK,			LRR K, L, MLRA 149B) ox (A16) (LRR K, L, R)
Black His			Thin Dark Surfac	e (S9) (L	LRR R, ML	.RA 149B)			or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		Loamy Mucky Mi	neral (F	1) (LRR K,				(LRR K, L)
	Layers (A5)	,	Loamy Gleyed M		2)				urface (S8) (LRR K, L)
	Below Dark Surface	e (A11)	Depleted Matrix ((S9) (LRR K, L)
	rk Surface (A12) ucky Mineral (S1)		Redox Dark Surfa Depleted Dark Surfa						asses (F12) (LRR K, L, R)
	leyed Matrix (S4)		Redox Depression		0				in Soils (F19) (MLRA 149B) () (MLRA 144A, 145, 149B)
_	edox (S5)	•		(,				ent Materia	•
	Matrix (S6)								Surface (TF12)
Dark Sur	face (S7) (LRR R, N	MLRA 149B)				Other (E	Explain in F	demarks)
3Indicators of	hydrophytic vegetat	tion and we	tland hydrology must	be orese	ent unless	disturbed	or problematic		
	ayer (if observed):				, a	0.010.000	problemate.	•	
Туре:	T 7//2								
Depth (inc	hes):						Hydric Soil F	resent?	Yes No _<
Remarks:							<u></u>		

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: QMI	Citv/County:	Sampling Date: <u>4//26/17</u>
Applicant/Owner:		State: ME Sampling Point: Plot - 185-02-WET
	Section, Township, Range:	
		_
Landform (hillslope, terrace, etc.): <u>Valley</u> Slope (%): <u>27.</u> Lat: <u>424/89</u> , 03 PtD		
Slope (%): 27 Lat: 127/87, 03 47	Long:	
Soil Map Unit Name:		NWI classification: PEMIE
Are climatic / hydrologic conditions on the site typical for this time of		f no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significa	ntly disturbed? Are "Normal (Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally	problematic? (If needed, ex	φlain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map show	ing sampling point location	ns, transects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Yes No		Yes No
Wetland Hydrology Present? Yes No		Site ID:
Remarks: (Explain alternative procedures here or in a separate r	eport.)	
Data for Forma collected in pe	un mela.	
	mula frinced Roc	
Plot situated in cleaved and	main fringet 100	•
	*	
HYDROLOGY		
Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that ap		Surface Soil Cracks (B6)
	ned Leaves (B9)	Drainage Patterns (B10)
High Water Table (A2) Aquatic Fa	, ,	Moss Trim Lines (B16)
Saturation (A3) Marl Depos	` '	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen S	Sulfide Odor (C1)	Crayfish Burrows (C8)
Sediment Deposits (B2) Oxidized R	hizospheres on Living Roots (C3)	Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3) Presence of	f Reduced Iron (C4)	Stunted or Stressed Plants (D1)
	Reduction in Tilled Soils (C6)	✓ Geomorphic Position (D2)
	Surface (C7)	Shallow Aquitard (D3)
	ain in Remarks)	Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8) Field Observations:	-	FAC-Neutral Test (D5)
Surface Water Present? Yes No Depth (inc	has): Z	
Water Table Present? Yes No Depth (inc	·	
		/drology Present? Yes V No
(includes capillary fringe)		
Describe Recorded Data (stream gauge, monitoring well, aerial p	hotos, previous inspections), if avail	able:
Remarks:		
to the western deal of	J	
Data collected during rais	events	
_		
•		

/EGETATION - (Jse scientific names of plants
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Sampling Point: Plot - 185 - 0 Z - usy

Tree Stratum (Plot size: 30 パ)	Absolute		nt Indicator	Dominance Test worksheet:
1			? Status	Number of Dominant Species
				That Are OBL, FACW, or FAC:(A)
2				
3				Total Number of Dominant Species Across All Strata: (B)
4				
5				Their
6		. —		Inat Are OBL, FACW, or FAC: (A/B)
6		· ———		Prevalence Index worksheet:
7				Total % Cover of:Multiply by:
,		= Total Co	over	OBL species x 1 =
Sapling/Shrub Stratum (Plot size: 1517)		/		FACW species x 2 =
1. Alnus incana	7%		fuew	FAC species x 3 =
2. I lex perticillata	42		Cul	FACU species x 4 =
		_ -	- FECUS	UPL species x 5 =
3				Column Totals: (A) (B)
4				(B)
5				Prevalence Index = B/A =
6				Hydrophytic Vegetation Indicators:
7.	 _			Rapid Test for Hydrophytic Vegetation
	11%	- T-4-1 O		Dominance Test is >50%
Herb Stratum (Plot size: 5'K)		= Total Co	over	Prevalence Index is ≤3.0¹
1. Agrostis gigantea	50%		for W	Morphological Adaptations¹ (Provide supporting
2. Typha latifolia	70%		061	data in Remarks or on a separate sheet)
3 / - 114 (1)	20%		00.	Problematic Hydrophytic Vegetation ¹ (Explain)
3. Carek sp.				¹ Indicators of hydric soil and wetland hydrology must
4				be present, unless disturbed or problematic.
5				Definitions of Vegetation Strata:
6				<u> </u>
7	 .			Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
8	 .			Sapling/shrub – Woody plants less than 3 in. DBH
9				and greater than 3.28 ft (1 m) tall.
10				Herb – All herbaceous (non-woody) plants, regardless
				of size, and woody plants less than 3.28 ft tall.
12				Woody vines - All woody vines greater than 3.28 ft in
	140% =	Total Co	ver	height.
Woody Vine Stratum (Plot size:)				
1				
2				
3				
				Hydrophytic Vegetation
				Present? Yes No
4				rieseitt! 195 V NO

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J	u	L

Sampling Point: 17/04-185-02-WET

Depth	ription: (Describe Matrix	to the de	oth needed to docu	ment the	indicator	or confirm	n the absence of ir	ndicators.)
(inches)	Color	(moist)	%	Color (moist)	ox Feature %	Type¹	_Loc ²	Texture	-
0-6	_2.5Y	1/2	95	WYR 4/4	5	۷	m	S; L	Remarks
6-30+	SY	4/1	85	1078 4/6	15	ر	m	S; L	
	÷=								
-		-	• ——	 					
 					-	. ——			
			·						
									
Type: C=Co lydric Soil Ir	ncentratio ndicators:	n, D=Depi	letion, RM	=Reduced Matrix, CS	S=Covere	d or Coate	d Sand Gr		Problematic Hydric Soils ³ :
Histosol (Polyvalue Belov	w Surface	(S8) (LRR	R,		(A10) (LRR K, L, MLRA 149B)
	ipedon (A2	2)		MLRA 149B))			Coast Prairi	e Redox (A16) (LRR K, L, R)
Black His Hydrogen	stic (A3) n Sulfide (A	3.4)		Thin Dark Surfa	ice (S9) (I	RR R, ML	.RA 149B)		Peat or Peat (S3) (LRR K, L, R)
	Layers (A			Loamy Mucky M Loamy Gleyed I			L)	Dark Surfac	e (S7) (LRR K, L)
	Below Da		e (A11)	Depleted Matrix		.,		Polyvalue B	elow Surface (S8) (LRR K, L) urface (S9) (LRR K, L)
	rk Surface		` '	Redox Dark Su					nese Masses (F12) (LRR K, L, R)
Sandy Mu	ucky Mine	ral (S1)		Depleted Dark S				Piedmont Fi	oodplain Soils (F19) (MLRA 149B)
	eyed Matr	ix (S4)		Redox Depress	ions (F8)			Mesic Spod	ic (TA6) (MLRA 144A, 145, 149B)
Sandy Re								Red Parent	Material (TF2)
	Matrix (S6 face (S7) (ILRA 149E	3)					w Dark Surface (TF12) ain in Remarks)
Indicators of	hydrophyt	ic vegetati	ion and we	tland hydrology mus	t be prese	ent, unless	disturbed	or problematic.	
Restrictive La	ayer (if ot	served):					·		
Type:									
Depth (incl	hes):							Hydric Soil Pres	ent? Yes V No
Remarks:									

USACE Data Plot Examples

Merrill Road Converter Station

	Maine P	ower Relia	bility Proj	ect	Team_\Z
Observers: KF // Town: Law	NC WELL	AND SUM	MARY FOR	M4/25/5	
Town:	KST (A)	 -	Date: Series :	1 (3 10	L
Segment # : 14	CMP Section #	#: 7.00 CN	Series : MP Pole #・フ タ	9 Wetland#	. 1
Stream/Waterbody ID:	;		وري. ۱۰۱۰ ۱۰۱۰ ۱۰۱۰	Corps plot :	Yes N
Dominant N	WI Class:	Eml		Other NWI Cla	sses: 0551
		ve Wetland V	egetation (by	Strata) A/n	C09
iolcan sci thy late or to long	CYD		_ , ,	1016	Da. F
the lat or	17			0.5	don't
La livida	10 Jen			ISPU	lat
asi uwi	•			["	•
out qig				1	
· 0			•	1	
	Repres	entative Wetl	and Hydrolog	y	
75				_	
Permanently I			sonally Floode		Saturated
(approximate depth -	•)	(approxima	te depth -4	1)	
Hydrologic Indicat	tors: S	ilt Denocition	-	→ Water-Stain	and Lanuar
		Drift	Lines \	Surface Sci	
	e Patterns			ees Elevai	
Other Observations:				Dic va	MA TOOKS
Representative	Depth	Horizon	Color	Redox	Texture
Wetland Soils:			20.01	Features	LOALUIC
Mineral	2-0	(D) 5	10402.2	'	F. Y/ce
Organic	17-6	Di	Q/W		Silo
	6-10	100	EDUE	1 10VR4	
			777	546 61	
Other Observations:		7			<u> </u>
Meets NEIWPCC (2004)	Criteria 🖳	1			
Stream # 1 Data:		-	····		
Width (Bank-Bank):	Depth @	Center:	Peren?	Interi	nittent
Bank Configuration:	Undercut	V	ertical	Gradual	
Channel Substrate:Pe	at-MuckS			l/CobbleBo	ulder
Stugger # 2 D - 4-		Bedro	ock		
Stream # 2 Data Width (Bank-Bank):	Danish G	Conton	D-		. ***
	Depth @ Undereut		Peren ertical	Interr	nuttent
	Ondereut at-MuckS			Gradual I/Cobble Boo	ulder
1 v		Bedro		CODOICBOI	uiuci
Wildlife Observations/Si	gn (e.g. tracks			s browen dans	egg masses
ootential VP):	P (4-P-) 1181-172	· ererer, erohhiii	So, units/reuge	a, Diowse, ucils,	ogg masses,
				·	
Notes:					
				_	
/					
				÷	
□Cedar Swam)	пw	etland of Speci	al Significance	
15		w II	01 opeoi		
I bl (Cl)					
Photo # \ / \				QVET	CH ON BACK

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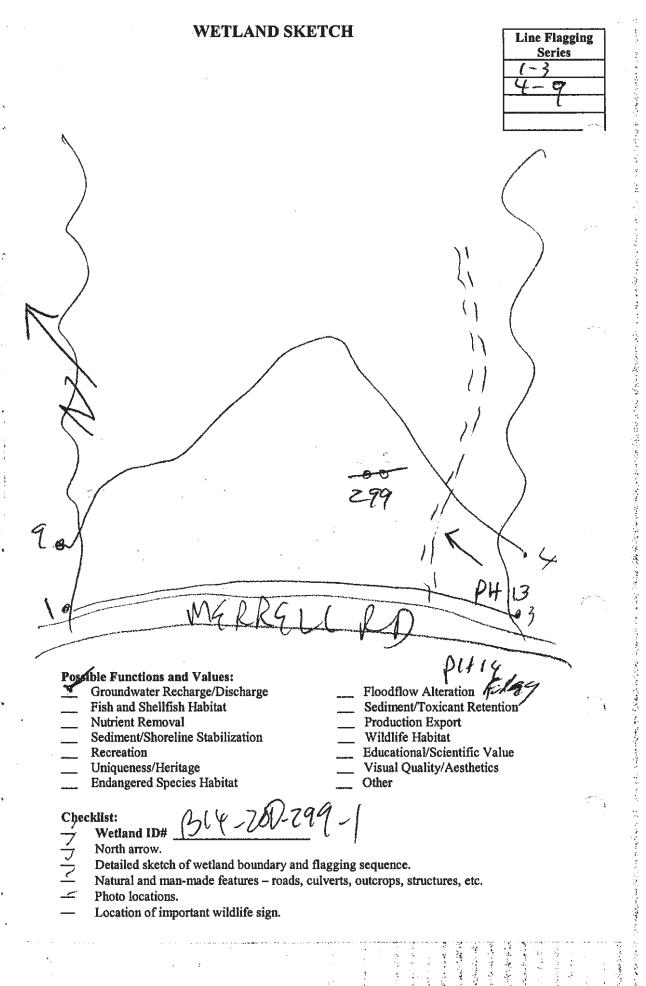
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	B14-200-299-1-WG
PROJECT TITLE: MPRP	TRANSECT: PLOT
DELINEATOR(S): KF MC	DATE: 9/25/07
VEGETATION Stratum and Species	Dominance Percent D NWI Status
PSS_	Ratio Dominance O M
Almrug	TA W
1110(100)	35 35/35 100
Pen	
colcar avo seus	30 34/00 30 JFACW
ano feus	5/100
St. CUA	
Sei Cyf Thy lat	15 65/100 50 1840 W
Thylat	30 soliw 50 VELCW
HYDROPHYTES 3	NON-HYDROPHYTES
OBL FACW FAC *OTHER	FAC- FACU UPL
Hydrophytes Subtotal (A): <u></u> PERCENT HYDROPHY	Non-hydrophytes Subtotal (B): U YTES (100A/A+B): U U U U U U U U U U
HYDROLOGY	
RECORDED DATA Stream, take, or tidal gage Identification: identification: Other Identification:	
☐ NO RECORDED DATA	
OBSERVATIONS: Depth to Free Water:	- +10°
Depth to Saturation (including capillary fri Altered Hydrology (explain):	nge):
1	
Inundated Saturated in Wa	ater Marks Drift Lines Sediment Drainage
☐ Inundated ☐ Seturated in ☐ Wa upper 12* ☐ OTHER (explain):	later Marks Drift Lines Sediment Drainage Deposits Patterns within Wetland

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B14-200-279-1-WGF

	014-200	-299-(-	(DO
PROJECT TITLE: MPPV	TRANSECT:	PLOT;	14-
DELINEATOR(S): KF, MC	DATE: 9-25	01	
VEGETATION Stratum and Species	Dominance Ratio	Percent D NWI Status	
Con per Calcan fun con Spilat	20 2015		
calcan	10 10/75	13	
In com	40 40/75		Ü
Spilat		2 2 1 4 . MC	
	5 177	7	
			w T
HYDROPHYTES	HOWENED		
	NON-HYDROPHYTES		
OBL FACW FAC OTHER Hydrophytes Subtotal (A):	FAC- FACU UPL Non-hydrophytes Subtotal (B):		
PERCENT HYDROPHYTES (10			
HYDROLOGY 1507	7		
TRECORDED DATA /tcl/Sc &	Q		
Steam, take, or tidal gape Identification; Aerial photography Identification:			
NO RECORDED DATA Identification:			
OBSERVATIONS: Depth to Free Water.	A		
Depth to Saturation (including capillary fringe): Altered Hydrology (explain):	/ 1		
upper 12"	ts Drift Lines Sedime		.1.
OTHER (explain):		within Wetland	
CBN/E-CO-R-PT. Version 7/V/01 Page 1	As a Secretary	<u>in in in in in in in in in in in in in i</u>	1.0

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一年一年一年十二年一年一年一年 卷建等 中的一生,一年一年五年一年 在京都有一大大的人,一个人的人,大家一大大学和新的人,一个一本文的人都是新的人的人

1104 30 Cl SOIL Sketch landscape position of this plot Indicate relative position of other plot(s) and the wetland flag if not on plan Submission of photo of plot is encouraged. COMMENTS (USDA texture, nodules; HORIZON MATRIX COLOR REDOXIMORPHIC concretions, masses, pore linings, restrictive layers, root distribution, soll water, etc.) FEATURES (color, abundance, size, contrast) 0-6 Solo HYDRIC SOIL INDICATOR(S): REFERENCE(S): OPTIONAL SOIL DATA REFERENCE(S): Taxonomic subgroup: Soil drainage class: Depth to active water table: NTCHS hydric soil criterion: CONCLUSIONS NO REMARKS: Hydrophytic vegetation criterion met? Hydrio soils criterion met? Wetland hydrology criterion met? IS THIS DATAPOINT IN A WETLAND? CENAE-COR-PT Version 7/1/00 Pag TRANSECT: PROJECT TITLE:

B14-200-299-1-UR

Exhibit E: Photographs

The following section provides, by segment, example photographs of the typical setting and wetland conditions associated with the NECEC corridors. The example photos provided generally correlate with the Wetlands of Special Significance (WOSS) described in Section 1.3 of the Wetlands Delineation Report. Photos of each wetland and other resources will be available upon request.



Photo 1: View of wetland 24-10: Primarily PSS with PEM wetland components located in Bradstreet Township (7/22/2015).



Photo 2: View of wetland 33-07: Primarily PEM, with an area of PFO wetland habitat located in Johnson Mountain Township (7/14/2015).



Photo 3: View of wetland 48-08: PSS wetland located in West Forks Plantation (6/4/2015).



Photo 1: View of wetland 54-01: Primarily PFO wetland with small PSS component located within existing transmission line corridor in The Forks Plantation (8/12/2015).



Photo 2: View of wetland 56-01: A PEM/PFO wetland located in The Forks Plantation (8/18/2015).



Photo 3: View of wetland 64-03: PFO wetland also contains greater than 20,000 square feet of PEM located in Bald Mountain Township (9/16/2015).



Photo 4: View of wetland 64-06: PSS wetland located in Bald Mountain Township (9/16/2015).



Photo 5: View of wetland 64-10: PFO/PEM wetland located in Bald Mountain Township and Caratunk (9/17/2015).



Photo 6: View of wetland 74-102: PEM/PSS wetland located in Moscow (5/20/2017).



Photo 1: View of wetland 78-05: PFO wetland with smaller PEM components located in Concord Township (5/24/2017).



Photo 2: View of wetland 100-05: PFO wetland located in Starks (5/16/2017).



Photo 3: View of wetland 103-11: Predominantly PSS/PFO wetland with smaller PEM components located in Industry (5/15/2017).



Photo 4: View of wetland 116-05: PFO/PEM/POW wetland located in Jay (5/2/2017).



Photo 5: Wetland 121-01: PEM wetland located in Jay (4/30/2017).



Photo 6: Wetland 122-03: PSS wetland located in Livermore Falls (4/30/2017).



Photos 7: Wetland 127-01: PFO wetland located in Livermore Falls (4/27/2017).



Photo 8: Wetland 129-01: PFO wetland with smaller PEM components located in Livermore Falls (4/25/2017).



Photo 9: Wetland 131-01: Predominately PSS wetland with smaller PEM components located in Leeds (4/29/2017).



Photo 10: Wetland 140-06: Predominately PSS wetland with smaller PFO components located in Greene (5/31/2017).



Photo 11: Wetland 142-04: Predominately PEM wetland in Greene (8/14/2017).



Photo 1: View of wetland 146-04: PSS wetland that runs along Stetson Brook in Lewiston (5/19/2017).



Photo 2: View of wetland 152-01: A PEM dominated wetland in Lewiston (5/21/2017).



Photo 3: View of wetland 155-03: PEM wetland located in Lewiston (5/23/2017).



Photo 4: View of wetland 159-08: PEM wetland located Lewiston (5/26/2017).



Photo 1: View of wetland 162-04: PEM wetland located in Windsor (4/28/2017).



Photo 2: View of wetland 167-01: PEM/POW wetland located in the Town of Whitefield (4/15/2017).



Photo 3: View of wetland 169-02: PSS wetland located in the Town of Whitefield (4/15/2017).



Photo 4: View of wetland 178-06: PSS wetland located in Alna (4/14/2017).



Photo 5: View of 188-17: PEM/PSS wetland located adjacent to Maine Yankee Substation in Wiscasset (10/23/2008).

Merrill Road Converter Station



Photo 1: View of wetland 145-01: Primarily PEM wetland with sub-components of PSS located adjacent to the Merrill Road Converter Station survey area (4/19/2017).



Photo 2: View of wetland 145-02: Seasonally flooded to saturated PFO wetland within the Merrill Road Converter Station survey area (4/30/2017).

Fickett Road Substation



Photo 1: View of wetland 161-16: Primarily PEM/PSS wetland within the Fickett Road Substation survey area (5/25/2017).

HDD Termination Stations



View facing east towards the Moxie Gore Termination Station.



View facing west towards the temporary drilling platform and trench locations for the Moxie Gore Termination Station.



View of WET 49-01 (PFO), approximately 65 feet west of the HDD drilling pad in Moxie Gore.



View facing east towards the West Fork Termination Station.



View facing southeast towards temporary receiving platform and trench locations for the West Forks Termination Station.



View of WET-48-03 (PFO/PEM), approximately 230 feet north-northwest of the West Forks Termination Station.



View of WET-48-01 (PFO/PEM), approximately 66 feet east of the West Forks Termination Station.